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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

30

FAMILY PANTOPHTHALMIDAE

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A relatively small, forest-dwelling, exclusively Neotropical family of large-sized flies. Eggs are laid on the bark of several kinds of trees. The larvae penetrate into the wood either actively or through holes and crevices previously available; they seem to live as wood-borers, feeding upon the sap. Pupation occurs at the entrance of the galleries, the anterior portion of the pupa appearing in the outside.

Some points of the biology of a few species have been investigated by Fiebrig (1906), Hempel (1912), Navarro de Andrade (1930), Greene & Urich (1931) and Thorpe (1934). The larval anatomy was studied by Fiebrig (1906) and that of the adult by Thorpe (1934). The family was monographed by Carrera & d'Andretta (1957). For informations on nomenclatorial matters I thank Dr. Curtis W. Sabrosky.

Genus PANTOPHTHALMUS Thunberg

PANTOPHTHALMUS Thunberg, 1819:7. Type-species, *tabaninus* Thunberg (mon.). (According to Neave, 1940:550, three different spellings appeared in Thunberg's original paper, which I have not seen: *Pantophtalmus*, on p. 7, *Pantophthalmus*, p. 8, and *Panophthalmus* in the explanation of the plate. Subsequent authors have employed the classically correct form *Pantophthalmus*, except Carrera & d'Andretta (1957), which followed Neave's *Nomenclator*, applying page precedence. As page precedence is not mandatory, I therefore act here as "first reviser", in the meaning of the code (articles 24a, i, and 32b), and propose that the correct spelling *Pantophthalmus* be kept to ensure stability of nomenclature).

Megalomyia Bigot, 1880: V. Type-species, *Acanthomera seticornis* Wiedemann (orig. des.) = *tabaninus* Thunberg.

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DEPARTAMENTO DE ZOOLOGIA
BIBLIOTECA
Secretaria da Agricultura

Megalemyia Bigot, 1881:455 (*lapsus*).

Meraca Enderlein, 1934:181. Type-species, *Opetiops sigma* Enderlein (orig. des.) = *conspicuus* (Austen).

BELLARDII (Bigot), in Bellardi, 1862:16, pl. 3, fig. 11 (*Acanthomera*; nom. nov. for *picta* Bellardi). Type-locality: "Mexico". Distr. — Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Colombia, Ecuador, Peru, Brazil.

picta Bellardi, 1859:76 (*Acanthomera*; preocc. Wiedemann, 1821). Type-locality: "Mexico".

championi Osten Sacken, 1886:67, pl. 3, fig. 16 (*Acanthomera*). Type-locality: Mexico; Nicaragua, Chontales; Panama, Bugaba.

helleri Enderlein, 1912:110, figs. 8-9. Type-locality: Bolivia, Yungas de Coroico; Peru, Chanchamayo.

versicolor Austen, 1923:572, fig. 4. Type-locality: Guatemala, Vera Paz, Pancina.

latifrons Enderlein, 1931:374. Type-locality: Peru, Chanchamayo.

CONSPICUUS Austen, 1923:581, figs. 6-7. Type-locality: British Honduras, Corozal. Distr. — British Honduras, British Guiana, Brazil (Amazonia).

sigma Enderlein, 1931:372 (*Opetiops*). Type-locality: Peru, Juanjui.

HEYDENII (Wiedemann), 1828:555 (*Acanthomera*). Type-locality: "Brazil". Distr. — Venezuela, Bolivia, Brazil (from Pará to Santa Catarina). Ref. — Bondar, 1938:22 (biology).

gigas Enderlein, 1912:110, fig. 7. Type-locality: "South America".

LEUCKARTI Enderlein, 1912:113, figs. 1, 10. Type-locality: Brazil, Amazonas, Tefé. Distr. — Brazil (Amazonas).

TABANINUS Thunberg, 1819:7, pl. 7, fig. 2. Type-locality: St. Barthélemy, West Indies. Distr. — Mexico, Guatemala, Nicaragua, West Indies, Trinidad, Panama, Guianas, Venezuela, Peru, Bolivia, Brazil (from Amazonas to Santa Catarina). Refs. — Greene & Urich, 1931 (biology); Thorpe, 1934 (morphology, biology).

seticornis Wiedemann, 1828:108, pl. 2, fig. 1a (*Acanthomera*). Type-locality: "Brazil".

immanis Wiedemann, 1830:623 (*Acanthomera*). Type-locality: "Surinam".

rubriventris Bigot, 1880: V (*Acanthomera*). Type-locality: "Guatemala".

comptus Enderlein, 1912:117. Type-locality: "South America".

fastuosus Knab, 1914:27. Type-locality: Trinidad; French Guiana, St. Jean; Panama, Canal Zone, Ancon.

VITTATUS (Wiedemann), 1828:109, pl. 2, fig. 2 (*Acanthomera*). Type-locality: "Brazil". Distr. — Guianas, Bolivia, Brazil (Amazonas, Bahia, Mato Grosso, Minas Gerais). Ref. — Bondar, 1938:20 (biology).

servillei Guérin-Méneville, 1835:543, pl. 98, figs. 2, 2a-c (*Acanthomera*). Type-locality: "Brazil".

fulvida Bigot, 1880: V (*Acanthomera*). Type-locality: "Guiana".

Genus OPETIOPS Enderlein

- OPETIOPS Enderlein, 1921:231. Type-species, *Pantophthalmus alienus* Hermann (orig. des.).
- ALIENUS (Hermann), 1916:43, figs. 1-2 (*Pantophthalmus*). Type-locality: Brazil, Santa Catarina, Kolonie Hansa. Distr. — Colombia, Brazil (Santa Catarina), Paraguay.
- BATESI (Austen), 1923:566, fig. 2 (*Pantophthalmus*). Type-locality: Brazil, Amazonas, Vila Nova. Distr. — Brazil (Amazonas).

Genus RHAPHIORHYNCHUS Wiedemann

- RHAPHIORHYNCHUS Wiedemann, 1821:59. Type-species, *planiventris* Wiedemann (mon.).
- Acanthomera* Wiedemann, 1821:60. Type-species, *picta* Wiedemann (mon.).
- Atopomia* Austen, 1923:596. Type-species, *Rhaphiorhynchus rothschildi* Austen (orig. des.).
- Lycops* Enderlein, 1931:367. Type-species, *zoos* Enderlein (orig. des.).
- ARGYROFASTUS (Bigot), 1880: V (*Megalomyia*). Type-locality: "Panama" Distr. — Panama.
- CHUNI (Enderlein), 1912:103, fig. 4 (*Acanthomera*). Type-locality: Peru, Chanchamayo. Distr. — Peru, Brazil (Amazonas).
- ENGELI (Enderlein), 1931:362 (*Acanthomera*). Type-locality: Panama, Chiriqui. Distr. — Panama (Chiriqui).
- FACETUS (Enderlein), 1931:363 (*Acanthomera*). Type-locality: Panama, Chiriqui. Distr. — Panama.
- FRAUENFELDI (Schiner), 1868:78 (*Acanthomera*). Type-locality: "Colombia". Distr. — Panama, Colombia, Ecuador, Peru, Bolivia.
- HELLERIANUS (Enderlein), 1914:578 (*Acanthomera*). Type-locality: Ecuador, Santa Inez. Distr. — Ecuador, Brazil (Amazonas).
- KERTESZIANUS (Enderlein), 1914:588 (*Acanthomera*). Type-locality: Peru, Juanjui. Distr. — Colombia, Peru, Bolivia, Brazil (Amazonas, Pará, Mato Grosso).
- conspicabilis* Austen, 1923:577, fig. 5 (*Pantophthalmus*). Type-locality: "Colombia".
- PICTUS (Wiedemann), 1821:61, pl. 2, fig. 2 (*Acanthomera*). Type-locality: "Brazil". Distr. — Brazil (from Rio de Janeiro to Rio Grande do Sul), Paraguay, Argentina. Refs. — Hempel, 1911:613 (biology), 1912:92 (biology); Navarro de Andrade, 1930:249 (biology); Costa Lima, 1936:370 (list of host-plants); Pinto da Fonseca, 1930:191 (biology); Fiebrig, 1906:316 (biology).
- flavipes* Macquart, 1847:26, pl. 1, fig. 2 (*Acanthomera*). Type-locality: "Brazil".
- magnifica* Walker, 1850:74, pl. 1, fig. 1 (*Acanthomera*). Type-locality: "South America".
- teretruncum* Fiebrig, 1906:245 (*Acanthomera*). Type-locality: "Paraguay".



- PLANIVENTRIS Wiedemann, 1821:60, pl. 2, fig. 1. Type-locality: "Brazil".
Distr. — México, Guatemala, Nicaragua, Costa Rica, Panama, Surinam, British Guiana, Ecuador, Peru, Bolivia, Brazil (Amazonas, Acre, Pará, Goiás).
- crassipalpis* Macquart, 1847:27, pl. 1, fig. 3 (*Acanthomera*). Type-locality: "Guatemala".
- bigoti* Bellardi, 1862:16, pl. 3, fig. 10 (*Acanthomera*). Type-locality: Mexico, Oaxaca, Chinantla.
- PUNCTIGER (Enderlein), 1921:229 (*Acanthomera*). Type-locality: Brazil, Espírito Santo. Distr. — Brazil (from Espírito Santo to Paraná).
- variegatus* Austen, 1923:592, fig. 9 (*Pantophthalmus*). Type-locality: "Brazil".
- ROSENI (Enderlein), 1931:370, fig. 3 (*Atopomyia*). Type-locality: Panama, Chiriqui. Distr. — Panama (Chiriqui).
- ROTHSCHILDI Austen, 1909:129. Type-locality: Bolivia, Buenavista. Distr. — Panama, Colombia, Ecuador, Bolivia.
- var. *ocellata* Enderlein, 1931:370 (*Atopomyia*). Type-locality: Bolivia, Santa Cruz, Sara.
- SPLENDIDUS (Austen), 1923:589, fig. 8 (*Pantophthalmus*). Type-locality: Panama, Volcán de Chiriqui. Distr. — Panama (Chiriqui).
- SUBSIGNATUS (Enderlein), 1931:364, fig. 1 (*Acanthomera*). Type-locality: Panama, Chiriqui. Distr. — Panama (Chiriqui).
- ZOOS (Enderlein), 1931:367, fig. 2 (*Lycops*). Type-locality: Mexico, Oaxaca. Distr. — Mexico (Oaxaca).

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A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

32

FAMILY SCENOPINIDAE *
(OMPHRALIDAE)

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This family is poorly known in the Neotropical Region and no information is available on the habits of the species which occur there. These flies are apparently predators in the larval stages and prey upon a variety of insects, especially household pests, pests of stored foods, bark beetles and powder post beetles.

This is a small family, approximately 100 species are known for the world, only 16 have been recorded from the Neotropical Region; these are arranged in five genera.

Refs. — Kröber, 1937 (rev.); Hardy, 1944 (rev.).

Genus BREVITRICHIA Hardy

BREVITRICHIA Hardy, 1944:32. Type-species, *Pseudatrichia griseola* Coquillett (orig. des.).

INSULANA (Cole), 1923:462 (*Pseudatrichia*). Type-locality: Mexico, Gulf of California, Isla Raza. Distr. — Mexico.

Genus CEROCATUS Rondani

CEROCATUS Rondani, 1848:99. Type-species, *tarsalis* Rondani (mon.).

TARSALIS Rondani, 1848:99. Type-locality: "Brazil". Distr. — Brazil.

Genus HETEROMPHRALE Kröber

HETEROMPHRALE Kröber, 1937:213. Type-species, *Pseudatrichia chilensis* Kröber (orig. des.).

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CHILENSIS (Kröber), 1928a:31, figs. 1a-c. (*Pseudatrichia*). Type-locality: Chile, Concepción. Distr. — Chile.

Genus METATRICHIA Coquillett

METATRICHIA Coquillett, 1900:500. Type-species, *Scenopinus bulbosus* Osten Sacken (orig. des.).

ROBUSTA Kröber, 1913:180, pl. VIII, figs. 2, 3; pl. X, fig. 43. Type-locality: "Paraguay". Distr. — Paraguay.

Genus PSEUDATRICHIA Osten Sacken

Atrichia Schrank of Loew, 1866:42 (Cent. 7, no. 76).

PSEUDATRICHIA Osten Sacken, 1877:276. Type-species, *Atrichia longurio* Loew (mon.).

LONGURIO (Loew), 1866:42 (*Atrichia*). Type-locality: "Mexico". Distr. — Mexico.

Genus PSEUDOMPHRALE Kröber

PSEUDOMPHRALE Kröber, 1913:180. Type-species, *Scenopinus clausus* Loew (orig. des.).

CYANOPS Edwards, 1932:259, fig. 22. Type-locality: Uruguay, Montevideo. Distr. — Uruguay.

Genus SCENOPINUS Latreille

Omphrale Meigen, 1800:29. Type-species, *Musca senilis* Fabricius (sub. mon.; Hendel, 1908:58) = *fenestralis* (Linnaeus). Suppressed by I.C.Z.N., 1963:339.

SCENOPINUS Latreille, 1802:463. Type-species, *Musca fenestralis* Linnaeus (mon.).

Scenopeus Agassiz, 1846:333 (emend.).

Scaenopius Dalla Torre, 1878:161 (lapsus).

Atrichia Schrank, 1803:54. Type-species, *Musca fenestralis* Linnaeus (mon.).

Cona Schellenberg, 1803:66. Type-species, *Musca fenestralis* Linnaeus (mon.).

Hypselura Meigen, 1803:273. Type-species, *Musca fenestralis* Linnaeus (as *senilis* Fabricius) (mon.).

Astoma Liroy, 1864:762. Type-species, *Nemotelus niger* De Geer (orig. des.).

ALBIDIPENNIS Loew, 1869:32. Type-locality: "Cuba". Distr. — Cuba. Refs. — Kröber, 1913:204; 1937:224 (key).

CAENOFRONS (Kröber), 1937:229, fig. 1 (*Omphrale*). Type-locality: Brazil, Santa Catarina. Distr. — Brazil. Ref. — Kröber, 1937:224 (key).

CHILENSIS (Kröber), 1928a:31, figs. 1a-c. (*Pseudatrichia*). Type-locality: Chile, Concepción. Distr. — Chile.

Genus METATRICHIA Coquillett

METATRICHIA Coquillett, 1900:500. Type-species, *Scenopinus bulbosus* Osten Sacken (orig. des.).

ROBUSTA Kröber, 1913:180, pl. VIII, figs. 2, 3; pl. X, fig. 43. Type-locality: "Paraguay". Distr. — Paraguay.

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Cona Schellenberg, 1803:66. Type-species, *Musca fenestralis* Linnaeus (mon.).

Hypselura Meigen, 1803:273. Type-species, *Musca fenestralis* Linnaeus (as *senilis* Fabricius) (mon.).

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- FEMORATUS Macquart, 1835:7. Type-locality: "Brazil". Distr. — Brazil. Ref. — Kröber, 1913:205.
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- PYGMAEUS Loew, 1857:90. Type-locality: "Surinam". Distr. — Surinam. Refs. — Kröber, 1913:203, pl. VIII, fig. 13; pl. XI, fig. 57; 1937:224 (key).
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SciELO



SciELO

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A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

33

FAMILY APIOCERIDAE

(APIOCERATIDAE)

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This small family of brachycerous flies comprises about 120 recognized species, distributed among five genera: *Apiocera* Westwood (North America, Chile, South Africa, Australia, Borneo, and Ceylon), *Rhaphiomidas* Osten Sacken (sw. U.S.A., Mexico), *Megascelus* Philippi (Chile), *Neorhaphiomidas* Norris (Western Australia), and *Tongamyia* Stuckenberg (South Africa). The first two genera make up the subfamily Apiocerinae, and the last three the subfamily Megascelinae, according to the classification proposed by Cazier (1941). The history of the studies of the family, together with the distribution, discussion of morphology and phylogenetic relationships, and a revision of the North American species (some of which are included in this catalogue), may be also found in Cazier (1941). Pertinent comments and information may be found in Paramonov (1953) and Stuckenberg (1966). The Chilean fauna was revised by Artigas (1970), with notes on location of the Chilean types.

Data on apiocerid bionomics are meager, but excellent published information exists for the Australian *Apiocera maritima* by English (1947), for the North American *Apiocera painteri* by Cazier (1963), and for the South African *Tongamyia miranda* by Irwin & Stuckenberg (1972).

Three genera and sixteen species are catalogued here; it may be possible that some other North American species of *Apiocera* will be recorded from Mexico in the future.

Subfamily APIOCERINAE

Genus APIOCERA Westwood

APIOCERA Westwood, 1835:448. Type-species, *Apiocera fuscicollis* Westwood (Coquillett, 1910:508) = *brevicornis* (Wiedemann) (Australian).

Tapinocera Macquart, 1838:78 (1839:194), pl. 6, fig. 5 (head of type-species). Type-species, *Laphria brevicornis* Wiedemann (orig. des.) (Australian).



- Pomacera* Macquart, 1847:63 (1847:47), pl. 2, figs. 1 (male, habitus), 1a (head), 1b-c (antenna), 1d (palpus). Type-species, *bigotii* Macquart (orig. des.) (Tasmanian).
- Anypenus* Philippi, 1865:702. Type-species, *brevicornis* Philippi (Brèthes, 1924?) = *philippii* Brèthes (Chilean; synonymy according to Cazier, 1941).
- Ripidosyrma* Hermann, 1909:104, figs. 1 (antenna), 2 (wing), pl., figs. 1 (male, habitus), 2 (male genitalia), 3 (abdomen). Type-species, *Apiocera braunsi* Melander (orig. des.) (South African). Refs. — Cazier, 1941:598 (key), 599, figs. 1-2 (distribution); 1954:1f; Artigas, 1970:101.
- AUGUR Osten Sacken, 1887:212. Type-locality: "Mexico, Presidio (Forrer)" = Mexico, Sinaloa, Mazatlán (Selander & Vaurie, 1962:47). Distr. — U.S.A. (New Mexico, Texas), Mexico (Chihuahua, Sinaloa). Refs. — Painter, 1932:354, figs. 1 (male), 2 (female); 1938:192, pl. 8 (male genitalia); Cazier, 1941:615, pl. 3, fig. 5 (male), pl. 4, fig. 12 (male genitalia); 1963:229.
- auger* Painter, 1938:192, misspelling.
- AURELIA Artigas, 1970:102, figs. 16 (abdomen), 26, 28, 30 (male genitalia), 38 (distr.). Type-locality: Chile, Coquimbo, La Serena, Lomas de Peñuelas. Distr. — Chile (Coquimbo).
- BILINEATA Painter, 1932:351, figs. 3 (male), 4 (female). Type-locality: U.S.A., New Mexico, Otero Co., White Sands. Distr. — U.S.A. (Arizona, New Mexico, Texas), Mexico (Chihuahua). Refs. — Painter, 1938:191, pl. 8 (male genitalia); Cazier, 1941:613, pl. 4, fig. 13 (male genitalia); 1963:209, 228.
- MEXICANA Cazier, 1954:8. Type-locality: Mexico, Veracruz, Veracruz. Distr. — U.S.A. (Texas), Mexico (Guerrero, Veracruz). Ref. — Cazier, 1963:209, 227.
- MONTICOLA Artigas, 1970:104, figs. 19 (abdomen), 27, 29, 31 (male genitalia), 38 (distr.). Type-locality: Chile, Santiago, El Melocotón, Río Maipo, orilla del río, 1024 m. Distr. — Chile (Santiago).
- NOTATA Painter, 1938:199, text-figs. 1 (male genitalia), pl. 8 (male genitalia). Type-locality: U.S.A., California, San Diego Co., Campo. Distr. — U.S.A. (California), Mexico (Baja California). Refs. — Cazier, 1941:614, pl. 4, fig. 11 (male genitalia); 1963:233.
- OBSCURA (Philippi), 1865:703 (*Anypenus*). Type-locality: unknown. Distr. — Chile (O'Higgins, Talca, Concepción). Ref. — Artigas, 1970:105, figs. 11 (spermatheca), 17 (abdomen), 20-25 (male genitalia), 38 (distr.).
- PHILIPPII Brèthes, 1924:28 (nom. nov. for *brevicornis* Philippi). Type-locality: Chile, Santiago Prov. Distr. — Chile (Coquimbo, Valparaíso, Santiago, O'Higgins, Linares, Ñuble). Ref. — Artigas, 1970:107, figs. 1-3 (male genitalia), 4 (thorax), 5 (spermatheca), 6 (wing), 7-9 (male genitalia), 12, 15 (head), 18 (abdomen), 38 (distr.).
- brevicornis* Philippi, 1865:702, pl. 25, figs. 26 (male), 26a (head) (*Anypenus*; preocc. Wiedemann, 1830). Type-locality: Chile, Santiago Prov.
- SONORAE Cazier, 1954:7. Type-locality: Mexico, Sonora, Sonoyta. Distr. — Mexico (Sonora). Ref. — Cazier, 1963:209.



Genus RHAPHIOMIDAS Osten Sacken

- RHAPHIOMIDAS Osten Sacken, 1877:281. Type-species, *episcopus* Osten Sacken (mon.).
- Raphiomidas*, misspelling.
- Apomidas* Coquillett, 1892:315. Type-species, *trochilus* Coquillett (mon.) (California). Refs. — Cazier, 1941:598 (key), 616, figs. 1-2 (dist.); 1954:3 (key).
- EPISCOPUS Osten Sacken, 1877:282. Type-locality: U.S.A., California (but probably Mexico, Baja California, according to Cazier, 1941:619). Distr. — U.S.A. (California), Mexico (Baja California). Refs. — Cazier, 1941:618, pl. 2, fig. 19 (male); 1954:4.
- BREVIROSTRIS Cazier, 1954:5. Type-locality: Mexico, Sonora, La Choya. Distr. — Mexico (Sonora).

Subfamily MEGASCELINAE

Genus MEGASCELUS Philippi

- MEGASCELUS Philippi, 1865:683. Type-species, *nigricornis* Philippi (mon.). Refs. — Cazier, 1941:598 (key), fig. 1 (dist.); Paramonov, 1948; Carrera & d'Andretta, 1948:494; Artigas, 1970:110; 1973:140 (key).
- ALBOVILLOSUS Artigas, 1973:140, figs. 1 (head), 2-5, 7 (male genitalia), 6 (ovipositor). Type-locality: Chile, Coquimbo, Fray Jorge National Park. Distr. — Chile (Coquimbo).
- MELANOPROCTUS Artigas, 1970:111, fig. 38 (dist.). Type-locality: Chile, Valparaíso, Perales, Subida de la Ermita. Distr. — Chile (Valparaíso).
- NIGRICORNIS Philippi, 1865:683, pl. 25, figs. 21 (habitus), 21a (head), 21b (wing). Type-locality: unknown. Distr. — Chile (Valparaíso, Santiago, Curicó, Linares, Malleco, Cautín). Refs. — Cazier, 1941: pl. 1, fig. 8 (wing); Carrera & d'Andretta, 1948:495, figs. 7 (antenna), 8 (leg), 9 (female genitalia), 11 (wing); Artigas, 1970:112, figs. 10 (wing), 13-14 (head), 32-34, 36 (male genitalia), 35 (ovipositor), 37 (spermatheca), 38 (dist.).
- NIGROVILLOSUS Artigas, 1970:114, fig. 38 (dist.). Type-locality: Chile, Valparaíso, Marga. Distr. — Chile (Valparaíso).
- PALMICOLA Artigas, 1970:115, fig. 38 (dist.). Type-locality: Chile, O'Higgins, Las Palmas, Cocalán. Distr. — Chile (O'Higgins).

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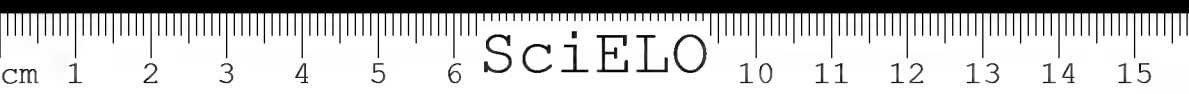
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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

34

FAMILY MYDIDAE

(MYDAIDAE, MYDASIDAE)

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The flies of the family Mydidae are world wide in distribution but more numerous in warmer climates. It is a rather small family, Bequaert (1961) reports 227 species in 28 genera. In the Neotropical region, 78 species in 14 genera are listed here. These flies are considered rare but recent collectors have taken rather large numbers of a few species. They range from 9 to 60 mm in length and several species of *Mydas* Fabricius are considered to be the largest known two-winged flies. Bequaert (1961, 1963) has proposed three subfamilies for the Mydidae. The Mydinae would include all of the American genera except *Mitrodetus* Gerstaecker which is placed in the Diochlistinae. The Syllegomydinae contains mostly African genera.

The adult flies are taken mainly visiting flowers and their mouth parts in general appear to be adapted for this type of feeding. Paramonov (1950) reported seeing many Mydids capturing other insects in a manner similar to Asilids in Turkestan. Davis (1921) reported that *Mydas clavatus* (Drury), when captured, struck him on the finger, the bite being painful for the moment. The labrum which supports the proboscis, frequently is found disengaged and is quite sharp pointed, so these incidents appear quite probable. Walsh (1864) in Illinois reared *Mydas tibialis* Wiedemann (*fulvipes* Walsh) from fibrous debris found in a hollow sycamore which contained Coleopterous larvae and to which Lepidopterous pupae were added. Zikán (1942, 1944) found larvae of *Mydas heros* Perty in nests of the 'saúva' ant (*Atta serdens* L.), which were probably predators of the Dynastidae beetles *Coelosis biloba* L., *C. bicornis* Fabr., *C. sylvanus* Fabr., and *C. inermis* Sternb. Zikán also found females whose body was covered with earth, indicating that they may oviposit inside the ants' nest; the pupa, with the help of the strong

spines of its body, makes its way to the entrance of the nest, where the eclosion of the adult occurs. Genung (1959) reared *Mydas maculiventris* Westwood from scarab grubs infesting grass sod in sandy soils in Florida. Lenko (personal communication) informed us that *Mydas heros* Perty copulates during flight, the female usually carrying the male, which lays hanging, both making a considerable noise with the wings.

Mydas Fabricius extends from Canada to southern South America and *Messiasia* d'Andretta from Arizona to southern South America, but do not occur in Chile. d'Andretta (1951) has reviewed the Neotropical species of these two genera. The Chilean fauna was reviewed by Séguy (1938). *Apiophora* Philippi, *Mitrodetus* Gerstaecker, *Midacritus* Séguy, and *Paramydas* Carrera & d'Andretta are known only from Chile. *Ceratomydas* Williston, *Dolichogaster* Gerstaecker, and *Rhopalia* Macquart are known only from east of the Andes. *Mitrodetus* Gerstaecker is allied to the Australian genus *Dioclistus* Gerstaecker. *Rhopalia* Macquart is a north African genus and there is a question regarding its use for the Neotropical species. *Mydas rubrocinctus* Blanchard previously was placed in the African genus *Ectyphus* Gerstaecker but here is placed in *Apiophora* Philippi. The Nearctic genera *Phyllomydas* Bigot, *Opomydas* Curran, *Heteromydas* Hardy, and *Pseudonomoneura* Bequaert only extend a short distance into Mexico. *Nemomydas* Curran extends from Canada to Panama.

Previous catalogues which apply to part or all of the Neotropical region, are: Osten Sacken (1878) for North America; Hunter (1901) for South America; Aldrich (1905) for North America; Kertész (1909) for the world; and Stuardo Ortiz (1946) for Chile.

The location of the types is given when the printed information appears to be accurate. Most of the Wiedemann's types are in the Naturhistorisches Museum, Vienna (1831 mostly "Berlin Mus."); most of Macquart's are in Paris but some may be in the Bigot Collection, Hope Museum, Oxford; and Bellardi's are in the Istituto di Zoologia di Torino, but there are indications that some were placed in other collections. The following abbreviations have been used for type locations in other institutions.

- AMNH — American Museum of Natural History, New York, N.Y.
- BMNH — British Museum (Natural History), London, England.
- CAS — California Academy of Sciences, San Francisco, California.
- CIS — California Insect Survey, University of California, Berkeley, California.
- DZSP — Departamento de Zoologia, Secretaria da Agricultura, São Paulo, Brazil.
- MCZ — Museum of Comparative Zoology, Cambridge, Massachusetts.
- MNHN — Muséum National d'Histoire Naturelle. Paris, France.
- MNRJ — Museu Nacional do Rio de Janeiro, Rio de Janeiro, Brazil.
- UK — University of Kansas, Lawrence, Kansas.
- USNM — United States National Museum, Washington, D.C.



Genus APIOPHORA Philippi

- APIOPHORA Philippi, 1865:682. Type-species, *paulseni* Philippi (orig. des.). Refs. — Séguy, 1938:268; Carrera & d'Andretta, 1948:491.
- ELVIRAE Reed & Ruiz, 1941:489. Type-locality: Chile, O'Higgins, Baños de Cauquenes. Distr. — Chile (O'Higgins: Baños de Cauquenes; Maule: 12 km N of Río Loanco, Fundo Parrón, 20 m). Type ♀, Reed coll., CAS.
- PAULSENI Philippi, 1865:682, pl. 25, fig. 22b. Type-locality: Chile, Santiago. Distr. — Chile (Valparaíso: Reñaca, Valparaíso, 2 km N. Algarobo, and Viña; Santiago: El Anoyán, Quebrada la Plata, 510 m, La Rinconada, and Maipu; Malleco?: Río Blanco). Refs. — Séguy, 1938:268; Reed & Ruiz, 1941:490. Type ♂, Santiago Nat. Hist. Mus.?
- RUBROCINCTA (Blanchard) in Gay, 1852:362, pl. 2, fig. 11 (*Mydas*). Type-locality: "Chile". Distr. — Chile (Ñuble: Las Trancas, and Refugio Las Cabras, 1560 m; Concepción: Río Claro; Curicó: Fundo la Montana). Type ♀, no. 3057.40, MNHN. Ref. — Séguy, 1928:142 (description of type, as *Ectyphus*). N. COMB.

Genus CERIOMYDAS Williston

- CERIOMYDAS Williston, 1898:58. Type-species, *fraudulentus* Williston (mon.).
- FRAUDULENTUS Williston, 1898:58. Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães]. Distr. — Brazil (Mato Grosso). Type ♀, UK.

Genus DOLICHOGASTER Macquart

- DOLICHOGASTER Macquart, 1848:178 (sep., p. 18). Type-species, *Mydas brevicornis* Wiedemann (mon.). Ref. — Paramonov, 1948 (syst. pos.).
- BREVICORNIS (Wiedemann), 1821:117 (*Mydas*). Type-locality: "Brazil". Distr. — Brazil (Goiás, Minas Gerais, São Paulo, Rio de Janeiro); Paraguay (Tacuru-Pucu). Ref. — d'Andretta & Carrera, 1951:9, figs. 9-25 (descr. genus and ♂ and ♀). Types ♀ ♀, Vienna, Berlin.
- iopterus* Wiedemann, 1828:241 (*Midas*). Type-locality: "Brazil". Ref. — Wiedemann, 1831:45, pl. 53, fig. 9 (listed *iopterus* with *brevicornis*).

Genus HETEROMYDAS Hardy

- HETEROMYDAS Hardy, 1944:227. Type-species, *bicolor* Hardy (orig. des.).
- CHRYSITES (Osten Sacken), 1886:72 (*Midas*). Type-locality: Mexico, northern Sonora. Distr. — Mexico (northern Sonora). Refs. —

Séguy, 1928:130, figs. 1-6, 27. (The long slender palpus and the circlet of spines at the apex of the ♀ abdomen indicate *Heteromydas* Hardy. No specimens have been examined). Johnson, 1926:134 reports from U.S.A. (Arizona, Palmerlee); Dr. H. E. Evans, MCZ, examined this specimen and says it belongs in *Mydas* Fabricius. The correct genus for this species cannot be determined until the type can be examined. Type ♂, BMNH.

Genus MESSIASIA d'Andretta

- MESSIASIA d'Andretta, 1951:52. Type-species, *carrerae* d'Andretta (orig. des.).
- CARRERA d'Andretta, 1951:55, figs. 16-21, 40, 83-85, 161, 169, 175, 183. Type-locality: Brazil, Santa Catarina, Imbituba. Distr. — Brazil (Santa Catarina). Type ♂, MNRJ.
- DALCYANA d'Andretta, 1951:62, figs. 46, 160, 167, 173, 179. Type-locality: Brazil, Guanabara, Rio de Janeiro, Restinga de Marambaia, Sernambitiba. Distr. — Brazil (Rio de Janeiro, Espírito Santo). Type ♂, DZSP.
- DECOR (Osten Sacken), 1886:71 (*Midas*). Type-locality: Panama, Bugaba, 800-1500 feet. Distr. — ?U.S.A. (New Mexico), Mexico (Guerrero: Venta de Zopilote), Costa Rica (Turrialba), Panama (Bugaba), Brazil (Guanabara). Ref. — d'Andretta, 1951:68, figs. 44, 52, 76, 77, 159, 165, 174, 180 (descr. of ♂ and ♀). Type ♂, BMNH.
- LANEI d'Andretta, 1951:56, figs. 41, 193-195. Type-locality: Peru, Lima. Distr. — Peru (Lima). Type ♀, USNM.
- NOTOSPILA (Wiedemann), 1828:244 (1831:37, 52, pl. 54, fig. 20) (*Midas*). Type-locality: Uruguay, Montevideo. Distr. — Brazil (Mato Grosso), Paraguay (Paacupe), Uruguay (Montevideo). Ref. — d'Andretta, 1951:60, figs. 43, 70-72, 164, 168, 171, 182 (descr. of ♂ and ♀).
- PERTENUIS (Johnson), 1926:137 (*Mydas*). Type-locality: U.S.A., Arizona, Baboquivari Mts. Distr. — U.S.A. (Arizona: Pima County, Baboquivari Mts., Sabino Canyon, Tucson), Mexico (Sonora; Desemboque). Type ♂, MCZ. N. COMB.
- POLITA (Wiedemann), 1828:240 (1831:36, 43, pl. 53, fig. 7) (*Midas*). Type-locality: unknown. Distr. — Mexico (Chiapas: El Zapotal; Oaxaca: Tehuantepec; Tamaulipas: Tampico; Yucatán, Costa Rica (Higuito, San Mateo), Brazil (Pará: Boa Vista, Rio Tapajós). Ref. — d'Andretta, 1951:64, figs. 1, 45, 162, 170, 172, 181 (descr. of ♂ and ♀). Type ♀, Copenhagen.
- atratus* Walker, 1854:364 (*Midas*, preocc. Macquart, 1838). Type-locality: Brazil, Pará, Rio Tapajós. Type, BMNH.
- perpolitus* Johnson, 1933:72 (*Mydas*). Type-locality: Mexico, Yucatán, Chichen Itzá. Type ♂, MCZ.
- PUNICEA (Séguy), 1928:143 (*Mydas*). Type-locality: "Argentina, Chaco de Santiago del Estero, bords du rio Salado, env. d'Icaño; Rio Salado: La Palisa, 25 km N.O. d'Icaño, laguna Mamaña; env.

d'Icaño, Mistol Paso; bords du Rio Salado, Averias". Distr. — Argentina (Santiago del Estero). Syntypes, MNHN. Ref. — d'Andretta, 1951:59, fig. 42 (descr. of ♀).

ZIKANI d'Andretta, 1951:67, figs. 47, 87, 163, 166, 176-178. Type-locality: Paraguay, San Bernardino. Distr. — Brazil (Amazonas, Mato Grosso), Paraguay (La Cordillera: San Bernardino). Type ♂, USNM, ♀, DZSP.

Genus MIDACRITUS Séguy

MIDACRITUS Séguy, 1938:269. Type-species, *stuardoanus* Séguy (orig. des.).

KUSCHELI Séguy, 1951:12. Type-locality: Chile, Antofagasta, Toconao. Distr. — Chile (Antofagasta: Toconao). Type ♀, MNHN.

STUARDOANUS Séguy, 1938:270, fig. 29. Type-locality: Chile, Coquimbo, Arenal, Los Chiches, and Elqui. Distr. — Chile (Coquimbo: Choapa, Elqui and Los Chiches). Type ♀, MNHN.

WAGENKNECHTI Reed & Ruiz, 1941:490. Type-locality: Chile, Coquimbo, Elqui, Baños del Toro, 3.30 m. Distr. — Chile (Atacama: Huasco Bajo; Coquimbo: Elqui, Baños del Toro). Types ♂ ♀, Reed coll., CAS.

Genus MITRODETUS Gerstaecker

MITRODETUS Gerstaecker, 1868:76. Type-species, *Cephalocera dentitarsis* Macquart (orig. des.).

Refs. — Séguy, 1928:134, figs. 17, 30; 1938:272, pl. 16; Reed & Ruiz, 1941:487.

CHILENSIS Reed & Ruiz, 1941:491. Type-locality: Chile, Coquimbo: Elqui, Punto Hurtado. Distr. — Chile (Coquimbo). Types ♀ ♂, Reed coll., CAS.

DENTITARSIS (Macquart), 1850:360, pl. 4, fig. 1 (sep., p. 56) (*Cephalocera*). Type-locality: "Chile". Distr. — Chile (Coquimbo: Elqui, Paihuano, Fraygocillo, and Trumas; Valparaiso; Santiago: El Canelo, R. Hajardo, La Rinconada, Maipu, 450 m, and Quebrada de la Plata, 510 m; Bío-Bío; Cautín: Villarica). Refs. — Séguy, 1928:134, figs. 17, 30; Karl, 1959: fig. 50 (♂ genitalia). Type ♀, MNHN.

albocinctus Blanchard in Gay, 1852:361, pl. 2, fig. 10 (*Cephalocera*). Type-locality: Chile, Coquimbo. Type ♂, MNHN.

elegans Philippi, 1865:680 (*Cephalocera*). Type-locality: Chile, Santiago. Types ♂ ♀, Santiago Nat. Hist. Mus.?

DIMIDIATUS (Philippi), 1865:681 (*Cephalocera*). Type-locality: Chile, Coquimbo, Illapel. Distr. — Chile (Coquimbo: Huanta, Illapel, La Higuera, and Río Turbio). Ref. — Séguy, 1938:274. Type in Santiago Nat. Hist. Mus.?

LEUCOTRICHUS (Philippi), 1865:681 (*Cephalocera*). Type-locality: Chile, Coquimbo, Illapel. Distr. — Chile (Coquimbo: Elqui, Huanta, Illapel, Ovalle, Inebrada Injerico; Valparaiso: Reñaca; Santiago:

La Higuera, Quebrada Ingenio Limari; ?Malleco: Río Blanco).
Type in Santiago Nat. Hist. Mus.

MATTHEI Reed & Ruiz, 1941:491. Type-locality: Chile, Valparaíso, Reñaca.
Distr. — Chile (Coquimbo: Tongoycillo, Totoralillo; Valparaíso:
Reñaca). Type ♂, CAS.

MICROGLOSSA Séguy, 1951:12. Type-locality: "Chile, oasis de Toconao, alt.
2.500m (sur la même latitude que la cille de Antofagasta, premiers
contreforts des Andes)". Distr. — Chile (Antofagasta: Toconao).
Type ♂, MNHN.

REEDI Reed & Ruiz, 1941:492. Type-locality: Chile, Coquimbo, Punta
Teatinos. Distr. — Chile (Coquimbo: Fray Jorge N.P., 50 km S.
La Serena, 35 mi. S. Ovalle, Punta Teatinos; Santiago: Quebrada
Honda). Types ♀ ♂, Reed coll., CAS.

THEREVIFORMIS Séguy, 1938:274, pl. 16. Type-locality: Chile, Coquimbo, Las
Trancas. Distr. — Chile (Tarapacá: Churgui; Coquimbo: Estero
Socos, La Arena, Las Trancas; Santiago: Quebrada Potrerillos).
Types ♂ ♀, MNHN.

Genus MYDAS Fabricius

MYDAS Fabricius, 1794:252. Type-species, *Musca clavata* Drury (Latreille,
1810:443).

Midas, emend.

Lampromydas Séguy, 1928:144. Type-species, *belus* Séguy (mon.).

The spelling of *Mydas* has been changed to *Midas* and back for many years. In the introduction to Curran's catalogue (1965:358), this note was added: "[It has been pointed out to us by L. W. Grenstead that the name likely was derived from King Midas, whose ass-ears would resemble the mydid antennae, and that the correct root of the genus is Myd-, resulting in the formation of the family name Mydidae. — Eds.]" Osten Sacken (1895) reviews the use of this name very thoroughly and the switch in spelling from *Mydas* to *Midas* and vice versa by authors. Latreille (1796) was the first to change the name to *Midas* but in his later publications used *Mydas*. Fabricius (1794) apparently did not make a mistake in spelling because he used *midas* for Coleoptera and later for Diptera, but retained *Mydas* in his later publications. Gerstaecker (1868) who used *Mydas* did not find the word in Greek literature and said it merely resembles the words 'mydáo' (to be wet) and 'mudos' (mute): "to be wet" may have meant an allusion to the peculiar transverse folds which distinguish the wings of the genus, and does not seem a too far fetched assumption. Osten Sacken at first considered this explanation "far fetched" and changed to *Midas* (1878), but after reviewing all available information (1895) said it appears somewhat more plausible.

ANNULARIS Gerstaecker, 1868:100. Type-locality: "Mexico". Distr. — Mexico (Guerrero: Chilpancingo; Jalisco: 10 mi. S. Apatzingán, 14 mi. W. Guadalajara; Michoacán: Tuxpán; Nayarit: 4 mi. W. Tepic; Sonora: 7 mi. W. Álamos). Type ♀, Berlin Mus.

- APICALIS** Wiedemann, 1830:629 (1831:48, pl. 53, fig. 14) (*Midas*). Type-locality: "Brazil". Distr. — Brazil (São Paulo, Rio de Janeiro, Santa Catarina), Argentina (Buenos Aires), Paraguay (Caaguazú; Paso Yobay). Ref. — d'Andretta, 1951:29, figs. 28, 49, 57-59, 88, 102, 125, 134, 144, 150, 190-192 (descr. ♂ and ♀). Type ♂, Berlin Mus.
- bonariensis* Guérin-Méneville, 1835:543, pl. 97, fig. 5. Type-locality: Argentina, Buenos Aires.
- annulicornis* Westwood, 1841:51, pl. 13, fig. 2 (*Midas*). Type-locality: "Brazil". Type ♀, BMNH?
- ARGYROSTOMUS** Gerstaecker, 1868:94. Type-locality: "Colombia". Distr. — Colombia (more precise locality not known), Brazil (Pará: Óbidos). Ref. — d'Andretta, 1951:28, figs. 38, 117, 140, 153 (descr. of ♂). Type ♂, Berlin Mus.
- AUTUORH** d'Andretta, 1951:32, figs. 24, 31, 104, 116, 135, 152. Type-locality: Uruguay, Montevideo. Distr. — Brazil (Mato Grosso), Uruguay (Montevideo). Type ♂, USNM, ♀, DZSP.
- BASALIS** Westwood, 1841:53 (*Midas*). Type-locality: Mexico, Tacubaya. Distr. — Mexico (D.F.: Huipulco; 18 mi. S. Mexico City, Tacubaya; Hidalgo: 4 mi. S. Tepeji). Ref. — d'Andretta, 1951:51, figs. 23, 73, 75 (descr. of ♀). Type ♀, BMNH.
- BELUS** (Séguy), 1928:144, figs. 12, 21 (*Lampromydas*). Type-locality: Mexico, "environs de Puebla". Distr. — Mexico (Michoacán: 15 km E. Sombrete; Nuevo León: 26 and 50 mi. S. Monterey; Zacatecas: 5 km S. Karapu). Ref. — d'Andretta, 1951:48, lists as a synonym of *interruptus* Wiedemann. Types ♂ ♀, MNHN.
- BITAENIATUS** Bellardi, 1861:7 (107), pl. 1, fig. 1. Type-locality: Mexico, Playa Vicente. Distr. — Mexico (Chiapas: Santo Domingo, 15 mi. S. E. Simojovel), Guatemala (Zacapa) (Johnson, 1933:72). Type ♂, Torino.
- BREDERI** Curran, 1951:2. Type-locality: Bahama Islands, South Bimini Island. Distr. — Bahama Islands (South and East Bimini Islands, Nassau). Types ♂ ♀, AMNH.
- gracilis* Macquart of d'Andretta, 1951:46, figs. 22, 50, 78, 80, 119, 155, misident. (descr. of ♂).
- CINGULATUS** Williston, 1898:57. Type-locality: Paraguay, shore of Río Paraguay, below Concepción. Distr. — Paraguay. Type ♀, UK.
- CLARPENNIS** Williston, 1898:56. Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães]. Distr. — Brazil (Mato Grosso). Type ♀, UK.
- COERULESCENS** Olivier, 1811:83. Type-locality: "South America". Distr. — South America; Brazil (Mato Grosso, Minas Gerais, Rio de Janeiro, São Paulo). Ref. — d'Andretta, 1951:10, figs. 34, 48, 63-65, 94, 129, 130, 142, 143 (descr. ♂ and ♀).
- giganteus* Thunberg, 1818:246, fig. 9. Type-locality: "Brazil". Ref. — Wiedemann, 1831:38, 39, pl. 52, fig. 1 (♂ ♀) (gives a Latin translation of Thunberg's description, on footnote).

- CRASSIPES Westwood, 1841:51, pl. 13, fig. 3 (*Midas*). Type-locality: "North America". Distr. — U.S.A. (Florida), Mexico (Tabasco: Teapa) (Williston, 1901:268), Brazil (Rio de Janeiro: Itatiaia) (d'Andretta, 1951:34, fig. 30 [descr. of ♀]). Type ♀, Hope Mus., Oxford, and Children Coll. (BMNH?).
- CUBANA Curran, 1951:3. Type-locality: Cuba, Havana. Distr. — Cuba (Havana). Type ♀, AMNH.
- gracilis* Macquart of Loew, in Osten Sacken, 1878:84, misident.
- DIVES Westwood, 1841:50, pl. 13, fig. 1 (*Midas*). Type-locality: unknown. Distr. — ?Mexico, Panama (Bugaba), Colombia (Muzo), Guyana (Kartabo), Brazil (Pará: Óbidos). Ref. — d'Andretta, 1951:25, figs. 37, 60, 120, 137, 149 (descr. ♂ ♀). Type ♀, Hope Mus., Oxford.
- EUPOLIS Séguy, 1928:142. Type-locality: Mexico, Jalisco, Huejotitan, 1700 m. Distr. — Mexico (Durango, 4 mi. N. Nombre de Dios; Jalisco). Type ♀, MNHN.
- GRACILIS Macquart, 1834:274, pl. 7, fig. 1. Type-locality: "South America". Distr. — South America. Ref. — Westwood, 1841:52 (descr.). Types ♂ ♀, MNHN.
- HEROS Perty, 1833:183, pl. 36, fig. 11 (*Midas*). Type-locality: Brazil, Bahia. Distr. — Brazil (Amazonas, Goiás, Espírito Santo, Minas Gerais, São Paulo), Colombia (Muzo). Ref. — d'Andretta, 1951:17, figs. 3, 29, 61, 62, 66-69, 89, 95, 106-109, 111-113, 136-139, 151, 187-189, 200-202 (descr. ♂ and ♀).
- praegrandis* Austen, 1909:130 (1910:17, pl. 15, fig. 4). Type-locality: Brazil, Paraná.
- INTERRUPTUS Wiedemann, 1830:628 (1831:46, pl. 53, fig. 12, ♂ ♀) (*Midas*). Type-locality: "Mexico". Distr. — Mexico (Chiltenden, D.F., Coapa; Guerrero: Arizintla, nr. Iguala; Jalisco: 11 mi. N. W. Guadalajara; ?Mexico: 8 mi. S. Ixtapán; Michoacán: 10 mi. S. Apatzingán; Morelos: Cuernavaca, and 36, 46, and 55 mi. S., Lago Tequesquitengo; Puebla: 27 mi. S. Acatlán, 7 mi. N. W. Izúcar de Matamoros; San Luís Potosi: 19 mi. S. W. San Luís Potosi). Ref. — d'Andretta, 1951:48, figs. 39, 53, 81, 82, 90, 99, 121, 128, 147, 148 (descr. of ♂) [*senilis* Westwood (see *Nemomydas*), *tricinctus* Bellardi, and *belus* Séguy are listed as synonyms]. Types ♂ ♀, Berlin Mus.
- LAVATUS Gerstaecker, 1868:96. Type-locality: "Mexico". Distr. — Mexico. Types ♂ ♀, Berlin Mus. Gerstaecker (*l. c.*) questioned whether it was the same as *xanthopterus* Loew. Osten Sacken (1878:84) listed it as a synonym of *xanthopterus* Loew, but later (1886:73) said he was not sure of this synonymy.
- LEUCOPS Wiedemann, 1830:628 (1831:45, pl. 53, fig. 10) (*Midas*). Type-locality: "Brazil". Distr. — Brazil (Sergipe). Ref. — d'Andretta, 1951:14, figs. 25, 97, 114, 131 (descr. of ♂). Type ♂, Wiedemann coll.
- LIVIDUS Curran, 1953:2. Type-locality: U.S.A., Arizona, Pima Co., Sabino Basin, Santa Catalina Mts. Distr. — U.S.A. (Arizona: Graham Co., Pima Co.; ?Florida), Mexico (Sonora: Alamos and 15 mi.

E., 7 mi. S. Río Cuchuhaque; Sinaloa: 8 mi. S. Elota, 20 mi. E. Villa Unión). Types ♂ ♀, AMNH.

LUTEIPENNIS Loew, 1866:14 (Cent. 7, no. 23) (*Midas*). Type-locality: U.S.A., Western Texas (New Mexico). Distr. — U.S.A. (Arizona, New Mexico, Texas), Mexico (Coahuila: 7 mi. N. Parras). Ref. — Curran (1934:165) says, "Of two specimens (...) one has a vein (posterior crossvein) in one wing while the other specimen has none". Types ♂ ♀, MCZ.

MILITARIS Gerstaecker, 1868:99 (nom. nov. for *vittatus* Macquart). Type-locality: "Mexico". Distr. — U.S.A. (?Arizona) (Curran, 1965:359). Mexico (Jalisco: 3 mi. S.E. Plan de Barancas; Puebla: Atencingo; Nayarit: Arroyo Santiago nr. Jesus Maria, Jesus Maria; Sinaloa: Chupaderos; Veracruz: Cotaxtla, Veracruz). Ref. — d'Andretta, 1951: 43, figs 33, 103, 123, 132, 154 (descr. of ♂). Type ♀, MNHN.
vittatus Macquart, 1850:364 (sep., p. 60), pl. 4, fig. 6 (preocc. Wiedemann, 1828). Type-locality: "Mexico".

MYSTACEUS Wiedemann, 1830:626 (1831:40, pl. 52, figs. 3, 3a-b) (*Midas*). Type-locality: "Surinam". Distr. — Surinam, Brazil (Santa Catarina). Ref. — d'Andretta, 1951:24, figs. 32, 96, 118, 138, 158 (descr. of ♂). Type ♂, Berlin?

NITIDULUS Olivier, 1811:83. Type-locality: "South America". Distr. — South America. Ref. — Wiedemann, 1831:41, pl. 52, fig. 4 (descr. of type, sex unknown).

QUADRILINEATUS Williston, 1898:56. Type-locality: "Mexico". Distr. — Mexico (San Luis Potosi: Tamazunchale; Veracruz: San Rafael, Tecolutla). Ref. — d'Andretta, 1951:7, fig. 36 (descr. of ♀). Type ♂, UK.

RUBIDAPEX Wiedemann, 1830:626 (1831:40, pl. 52, fig. 2) (*Midas*). Type-locality: "Mexico". Distr. — Mexico (Guerrero: Acaguinzolla, Dos Arroyos, Venta de Zopilote; Yucatán), Guatemala (San Gerónimo), Venezuela. Ref. — d'Andretta, 1951:21, figs. 35, 105, 110, 133, 157 (descr. of ♂), Type ♂, Berlin.

RUFIVENTRIS Macquart, 1850:364 (sep., p. 60). Type-locality: "Brazil". Distr. — Mexico (Oaxaca: Tehuantepec), Brazil. Ref. — d'Andretta, 1951:38, figs. 26, 101, 102, 127, 156 (descr. of ♂). Type ♂, Paris.

SUBINTERRUPTUS Bellardi, 1861:10 (110), pl. 1, fig. 3. Type-locality: Mexico, Angang[ueo] and Pátzcuaro. Distr. — Mexico (Chihuahua; Durango: Durango and 4 mi. W.; Michoacán: Angangueo and Pátzcuaro). Types ♂ ♀, Torino.

TESTACEIVENTRIS Macquart, 1850:365 (sep., p. 61), pl. 5, fig. 6. Type-locality: Uruguay, Maldonado. Distr. — Uruguay (Maldonado). Ref. — Séguy, 1928:143 (descr. ♀ type). Type ♀, MNHN.

TIBIALIS Wiedemann, 1828:11 (1831:42, pl. 53, fig. 6) (*Midas*). Type-locality: U.S.A., Maryland, Baltimore. Distr. — U.S.A. (Michigan to Pennsylvania, Illinois to Florida), Mexico. Ref. — Bellardi, 1861:6 (106) (descr. of ♂). Type ♂, Berlin.

- fulvipes* Walsh, 1864:306. Type-locality: U.S.A., Illinois. Type ♂, lost?
- TRICINCTUS Bellardi, 1861:8 (108), pl. 1, fig. 2. Type-locality: Mexico, surroundings of Mexico City. Distr. — U.S.A. (Arizona: Cochise and Santa Cruz Counties), Mexico (Chiapas: Colonia L. Cardenas; Jalisco: Tequila; Sonora: 7 mi. W. Álamos). Ref. — d'Andretta, 1951:48, lists as synonym of *interruptus* Wiedemann, along with *senilis* Westwood and *belus* (Séguy); Curran, 1965:358, lists *belus* (Séguy) as synonym of *tricinctus* Bellardi. Types ♂, MNHN and Torino.
- TRICOLOR Wiedemann, 1830:627 (1831:42, pl. 53, fig. 5) (*Midas*). Type-locality: "Cuba". Distr. — Cuba. Ref. — Westwood, 1841:50 (reports larvae parasitic on the larvae of the giant Prionidae); Curran, 1951:2, 4 (notes and key to West Indian species). Type ♀, Berlin.
- VENTRALIS Gerstaecker, 1868:102 (*Midas*; nom. nov. for *rufiventris* Loew). Type-locality: U.S.A., California. Distr. — U.S.A. (Arizona, California, New Mexico), Mexico. Ref. — Johnson, 1926:134, 136, 137 (key, brief descr. of *ventralis* Gerstaecker, and *abdominalis* Adams and *cleptes* Osten Sacken, which he considers varieties). Type ♂, MCZ.
- rufiventris* Loew, 1866:14 (Cent. 7, no 22) (*Midas*; preocc. Macquart, 1850). Type-locality: U.S.A., California.
- ssp. CLEPTES Osten Sacken, 1886:72 (*Midas*). Type-locality: Mexico, northern Sonora. Distr. — U.S.A. (Arizona, New Mexico, Texas), Mexico (northern Sonora). Ref. — Curran, 1965:358, 359, lists *cleptes* Osten Sacken as a valid species, and *abdominalis* Adams as a synonym of *ventralis* Gerstaecker. Type ♂, BMNH.
- ssp. ABDOMINALIS Adams, 1904:434. Type-locality: U.S.A., Arizona, Congress Junction. Distr. — U.S.A. (Arizona, California, New Mexico), Mexico (Sonora: Álamos, San Francisquito Bay, Decemboque, Santa Ana). Ref. — Johnson, 1926:134, 137. Type ♂ ♀, UK.
- VIRGATUS Wiedemann, 1830:630 (1831:51, pl. 54, fig. 19) (*Midas*). Type-locality: "Brazil". Distr. — Brazil. Type ♂ (Gerstaecker, 1868: 97). Berlin.
- XANTHOPTERUS Loew, 1866:14 (Cent. 7, no. 24) (*Midas*). Type-locality: U.S.A., Western Texas (New Mexico). Distr. — U.S.A. (Arizona, California, New Mexico, Texas, Utah), Mexico (Baja California del Norte: El Progreso). Types ♂ ♀, MCZ.

Genus NEMOMYDAS Curran

- NEMOMYDAS Curran, 1934:165 (in key). Type-species, *Leptomysdas pantherinus* Gerstaecker (orig. des.).
- BEQUAERTI (Johnson), 1926:144, pl. 3, figs. 20, 21 (*Leptomysdas*). Type-locality: Honduras, Puerto Castilla. Distr. — Honduras (Puerto Castilla, Tela). Type ♂ ♀, MCZ. N. COMB.
- BRACHYRHYNCHUS (Osten Sacken), 1886:69 (*Leptomidas*). Type-locality: Mexico, northern Sonora. Distr. — U.S.A. (Arizona: Cochise, Pima and Santa Cruz Counties; ?California; Texas), Mexico (northern Sonora). Type ♀, BMNH.

- INTONSUS Hardy, 1950:27, figs. 6a-b. Type-locality: U.S.A., California, Pine Valley. Distr. — U.S.A. (California: San Diego Co.), Mexico (no records, but should occur in Baja California as collected only a few miles from there, 4 mi. W. Jacumba, California). Types ♂ ♀, UK.
- LAMIA (Séguy), 1928:146 (*Nomoneura*). Type-locality: Costa Rica, La Caja. Distr. — Costa Rica, Types ♂ ♀, MNHN, DZSP. N. COMB.
- PANAMENSIS (Curran), 1934:165, fig. 11 (p. 164) (no description, only figure of head in lateral aspect) (*Nomoneura*). Type-locality: Panama, Canal Zone, Bruja Point. 2 ♂, AMNH. According to article 16(vii) of the Code of Zoological Nomenclature, this name is available; the species remains unrecognized until the type is described. N. COMB.
- PANTHERINUS (Gerstaecker), 1868:85 (*Leptomydas*). Type-locality: U.S.A., California. Distr. — U.S.A. (British Columbia to Wyoming, south to California and Colorado), Mexico (Baja California Norte: El Descanso). Type ♀, Berlin.
- SENILIS (Westwood), 1841:52 (*Midas*). Type-locality: Mexico, Tacubaya. Distr. — Mexico (D.F.: Tacubaya). Ref. — Johnson, 1926:131, placed in *Leptomydas*; d'Andretta, 1951:48, listed as a synonym of *Mydas interruptus* Wiedemann. Its small size (6 lines) and absence of the posterior crossvein indicates it might be better placed in *Nemomydas*. Type?, BMNH. N. COMB.
- SPONSOR (Osten Sacken), 1886:68 (*Leptomidas*). Type-locality: Guatemala, San Gerónimo. Distr. — Guatemala (San Gerónimo), Nicaragua (Granada), Type ♀, BMNH. N. COMB.
- VENOSUS (Loew), 1866:15 (Cent. 7, no. 26) (*Midas*). Type-locality: U.S.A., Western Texas (New Mexico). Distr. — U.S.A. (Arizona to Colorado, Kansas, ?Florida), Mexico (Sonora: Alamos, San Carlos Bay). Ref. — Hardy, 1950:34, figs. 9a-b (descr. ♂ ♀ and key to Nearctic species). Type ?♂, MCZ.

Genus OPOMYDAS Curran

- OPOMYDAS Curran, 1934:165 (in key), figs. 4, 12 (p. 164). Type-species, *Ectyphus limbatus* Williston (orig. des.).
- ATHAMUS (Séguy), 1928:141, fig. 22 (*Ectyphus*). Type-locality: Mexico, Baja California. Distr. — U.S.A. (California: San Diego to Inyo Co.), Mexico (Baja California). Type ♀, MNHN. N. COMB.
- LIMBATUS (Williston), 1886:292 (*Ectyphus*). Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona, California, Utah, ?Florida), Mexico (Sonora: 3 mi. S. Altar). Ref. — Hardy, 1944:228, figs. 4a-c. Type ♀, UK. Note: The genus ranges from California to Texas near the Mexican border, so additional species will undoubtedly be collected in Mexico.



Genus PARAMYDAS Carrera & d'Andretta

PARAMYDAS Carrera & d'Andretta, 1948:490. Type-species, *Mydas igniticornis* Bigot (orig. des.).

IGNITICORNIS (Bigot), 1857:288 (*Mydas*). Type-locality: "Chile". Distr. — Chile (Valparaiso: Reñaca; Santiago: El Canelo, Quebrada La Plata, 510 m, Rinconada, and Maipu; Colchagua: Llico; ?Malleco: Río Blanco). Ref. — Carrera & d'Andretta, 1948: 492, figs. 1-6, 10 (descr. of ♀). Type ♀, Hope Mus.?

lugens Philippi, 1865:684 (*Midas*). Type-locality: Chile, Colchagua, Llico.

apicalis Wiedemann of Schiner, 1868:153 (*Midas*), misident.

Genus PHYLLOMYDAS Bigot

PHYLLOMYDAS Bigot, 1880:xlvi. Type-species, *phyllocerus* Bigot (mon.).

SCITULUS (Williston), 1886:291 (*Mydas*). Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona: Pima Co.), Mexico (Sonora: Guaymas and 5 mi. W. Santa Ana). Refs. — Johnson, 1926:139, 140, figs. 5-11; Curran, 1934:164, figs. 1-3, 5, 7; Hardy, 1943:50-52 (key and review of species). Type ♂, UK. Note: The other three described Nearctic species are likely to be collected in Mexico as they were collected from California to Texas near the Mexican border. They are: *bruesii* Johnson (1926:140, Texas), *currani* Hardy (1943:51, Arizona, New Mexico), and *phyllocerus* Bigot (1880:xlvi, Rocky Mountains, Kansas and Texas to California).

Genus PSEUDONOMONEURA Bequaert

PSEUDONOMONEURA Bequaert, 1961:13. Type-species, *Leptomydas hirtus* Coquillett (orig. des.).

Nomoneura authors, not Bezzi.

CALIFORNICA (Hardy), 1950:11, figs. 1a-c (*Nomoneura*). Type-locality: U.S.A., California, Riverside Co., Blythe. Distr. — U.S.A. (Arizona: Yuma Co.; California: Imperial Co. to Mono Co.), Mexico (Sonora: Desemboque; Baja California Norte: 15 mi. S. San Felipe). Types ♂ ♀, CIS.

HIRTA (Coquillett), in Baker, 1904:39 (*Leptomydas*). Type-locality: U.S.A., California, Los Angeles Co., Claremont. Distr. — U.S.A. (California: San Diego to Santa Barbara, Kern and Inyo Counties), Mexico (Baja California). Ref. — Hardy, 1950:15, figs. 2a-f (descr. of ♂ and ♀). Type ♂, USNM.

concinus Coquillett in Baker, 1904:39 (*Leptomydas*). Type-locality: U.S.A., California, Los Angeles Co., Claremont. Type ♀, USNM.

Genus RHOPALIA Macquart

RHOPALIA Macquart, 1838:12 (sep., p. 128). Type-species, *olivieri* Macquart (mon.).

Rhopalia is an African genus; examination of African species is necessary to establish whether *mirandai* belongs actually to *Rhopalia* or to a new genus.

MIRANDAI d'Andretta & Carrera, 1951:7, figs. 1-8. Type-locality: Brazil, Ceará, Icó. Distr. — Brazil (Ceará). (Neither the type-locality nor the distribution of this species were cited in the original description; the data here provided were obtained from the examination of the ♂ ♀ types, in DZSP).

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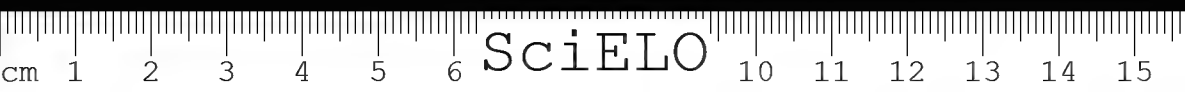
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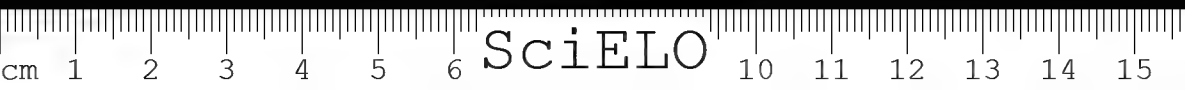
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<i>eupolis</i> Séguy, 1928, <i>Mydas</i>	34.8
<i>fraudulentus</i> Williston, 1898, <i>Ceratomydas</i>	34.3
<i>fulvipes</i> Walsh, 1864, <i>Mydas</i>	34.10
<i>giganteus</i> Thunberg, 1818, <i>Mydas</i>	34.7
<i>gracilis</i> Macquart, 1834, <i>Mydas</i>	34.8
<i>gracilis</i> Macquart of d'Andretta, 1951, <i>Mydas</i>	34.7
<i>gracilis</i> Macquart of Loew, 1878, <i>Mydas</i>	34.8
<i>heros</i> Perty, 1833 (<i>Midas</i>), <i>Mydas</i>	34.8
<i>Heteromydas</i> Hardy, 1944	34.3
<i>hirta</i> (Coquillett), 1904 (<i>Leptomydas</i>), <i>Pseudonomoneura</i>	34.12
<i>igniticornis</i> (Bigot), 1857 (<i>Mydas</i>), <i>Paramydas</i>	34.12
<i>interruptus</i> Wiedemann, 1830 (<i>Midas</i>), <i>Mydas</i>	34.8
<i>intensus</i> Hardy, 1950, <i>Nemomydas</i>	34.11
<i>iopterus</i> (Wiedemann), 1828 (<i>Midas</i>), <i>Dolichogaster</i>	34.3
<i>kuscheli</i> Séguy, 1951, <i>Midacritus</i>	34.5
<i>lamia</i> (Séguy), 1928 (<i>Nomoneura</i>), <i>Nemomydas</i>	34.11
<i>Lampromydas</i> Séguy, 1928	34.6
<i>lanei</i> d'Andretta, 1951, <i>Messiasia</i>	34.4
<i>lavatus</i> Gerstaecker, 1868, <i>Mydas</i>	34.8
<i>leucops</i> Wiedemann, 1830 (<i>Midas</i>), <i>Mydas</i>	34.8
<i>leucotrichus</i> (Philippi), 1865 (<i>Cephalocera</i>), <i>Mitrodetus</i>	34.5
<i>limbatus</i> (Williston), 1886 (<i>Ectyphus</i>), <i>Opomydas</i>	34.11
<i>lividus</i> Curran, 1953, <i>Mydas</i>	34.8
<i>lugens</i> (Philippi), 1865 (<i>Midas</i>), <i>Paramydas</i>	34.12
<i>luteipennis</i> Loew, 1866 (<i>Midas</i>), <i>Mydas</i>	34.9
<i>matthei</i> Reed & Ruiz, 1941, <i>Mitrodetus</i>	34.6
<i>Messiasia</i> d'Andretta, 1951	34.4
<i>microglossa</i> Séguy, 1951, <i>Mitrodetus</i>	34.6
<i>Midacritus</i> Séguy, 1938	34.5
<i>Midas</i> , emend.	34.6
<i>militaris</i> Gerstaecker, 1868, <i>Mydas</i>	34.9
<i>mirandai</i> d'Andretta & Carrera, 1951, <i>Rhopalia</i>	34.13
<i>Mitrodetus</i> Gerstaecker, 1868	34.5
<i>Mydas</i> Fabricius, 1794	34.6
<i>mystaceus</i> Wiedemann, 1830 (<i>Midas</i>), <i>Mydas</i>	34.9



Nemomydas Curran, 1934	34.10
nitidulus Olivier, 1811, Mydas	34.9
Nomoneura, authors	34.12
notospila (Wiedemann), 1828 (Midas), Messiasia	34.4
Opomydas Curran, 1934	34.11
panamensis (Curran), 1934 (Nomoneura), Nemomydas	34.11
pantherinus (Gerstaecker), 1868 (Leptomydas), Nemomydas ...	34.11
Paramydas Carrera & d'Andretta, 1948	34.12
paulseni Philippi, 1865, Apiophora	34.3
perpolitus (Johnson), 1933 (Mydas), Messiasia	34.4
pertenuis (Johnson), 1926 (Mydas), Messiasia	34.4
phyllocerus Bigot, 1880, Phyllomydas	34.12
Phyllomydas Bigot, 1880	34.12
polita (Wiedemann), 1828 (Midas), Messiasia	34.4
praegrandis Austen, 1909, Mydas	34.8
Pseudonomoneura Bequaert, 1961	34.12
punicea (Séguy), 1928 (Mydas), Messiasia	34.4
quadrilineatus Williston, 1898, Mydas	34.9
reedi Reed & Ruiz, 1941, Mitrodetus	34.6
Rhopalia Macquart, 1838	34.13
rubidapex Wiedemann, 1830 (Midas), Mydas	34.9
rubrocincta (Blanchard), 1852 (Mydas), Apiophora	34.3
rufiventris Loew, 1866 (Midas), Mydas	34.10
rufiventris Macquart, 1850, Mydas	34.9
scitulus (Williston), 1886 (Mydas), Phyllomvdas	34.12
senilis (Westwood), 1841 (Midas), Nemomydas	34.11
sponsor (Osten Sacken), 1886 (Leptomidas), Nemomydas	34.11
stuardoanus Séguy, 1938, Midacritus	34.5
subinterruptus Bellardi, 1861, Mydas	34.9
testaceiventris Macquart, 1850, Mydas	34.9
thereviformis Séguy, 1938, Mitrodetus	34.6
tibialis Wiedemann, 1828 (Midas), Mydas	34.9
tricinctus Bellardi, 1861, Mydas	34.10
tricolor Wiedemann, 1830 (Midas), Mydas	34.10
venosus (Loew), 1866 (Midas), Nemomydas	34.11
ventralis Gerstaecker, 1868 (Midas), Mydas	34.10
virgatus Wiedemann, 1830 (Midas), Mydas	34.10
vittatus Macquart, 1850, Mydas	34.9
wagenknechti Reed & Ruiz, 1941, Midacritus	34.5
xanthopterus Loew, 1866 (Midas), Mydas	34.10
zikani d'Andretta, 1951, Messiasia	34.5



DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

35a

FAMILY LEPTOGASTRIDAE¹

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The Leptogastridae, a family of Diptera formerly in the Asilidae, was recognized by Martin in 1968. The family is characterized by a long slender abdomen attached to the thorax at a 45° angle, a fenestra almost completely subdivides sternite 2 into two sclerites, the median swollen lobes of the posterior pronotum are set close together with an external pit or macula between them marking the position of internal phragmata 1, and the pulvilli and alulae are absent. The primitive aedeagi resemble those of the Asilidae, but the most specialized aedeagi of the Leptogastridae are very different from those of the Asilidae. Martin (1968) interpreted this as indicative that the two taxa represent two separate phyletic lines of equal value. The hypandrium and basistyli are coalesced in 75 per cent of the Leptogastridae, while in the Asilidae the hypandrium is more frequently reduced rather than coalesced with the basistyli. Many characters are common to all species of Leptogastridae, while in the Asilidae no one character is common to all species.

Three hundred species of the Leptogastridae of the world are put into 17 genera. In Mexico and the Neotropical realm 57 species in seven genera are known. The writer has at hand many undescribed species both from Mexico and South America.

The small number of described Leptogastridae for the world, as compared with over 5,000 species in the Asilidae, seems to be correlated with an inability to radiate from their uniform environment of grass into other niches. Also, correlated with the uniform environment are fewer and less complex characters than are found in the Asilidae which occupy a large number of niches.

The adult Leptogastridae are more frequently associated with tussock-type grass, although some seek other grasses, including sparse dried grass. A few are found either in low shrubs, or on the tips of dead twigs of the lower branches of trees.

Only soft, immobile prey is captured by the Leptogastridae while making their helicopter-like flight through grass. The mouth parts are extremely reduced and weak.

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The adults of *Beameromyia* Martin sometimes congregate in large numbers within a small area. This suggests that some larvae feed on grass roots.

Leptogaster audouinii Macquart (1838:155) was described without a type-locality, although some authors report it from South America. So far as I know, no Leptogastridae from South America has a long petiolate anal cell as Macquart describes. Likely *L. audouinii* was from either the Ethiopian or the Oriental realms.

Type specimens of Mexican and Neotropical species of Leptogastridae were studied by the writer in ten museums. These species are indicated by "Type vid.", with the abbreviation indicating the museum where the type was seen. When only the location is known, is indicated by "Type" and the abbreviation indicating the name of the museum. The following list gives the abbreviations for the museums:

AMNH	American Museum of Natural History, New York
BM	British Museum (Natural History), London
MCZ	Museum of Comparative Zoology, Harvard University, Charleston, Massachusetts
OXF	Hope Museum, Oxford, England
PARIS	Muséum National d'Histoire Naturelle, Paris
SAO	Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo, Brazil
STUT	Stettiner Zoologischer Museum, Stuttgart, Germany
TORO	Istituto e Museo di Zoologia, Università di Torino, Turin, Italy
USNM	United States National Museum, Washington, D. C.
WIEN	Naturhistorisches Museum, Zoologische Sammlung, Vienna, Austria.

Genus LEPTOGASTER Meigen

- LEPTOGASTER Meigen, 1803:269. Type-species, *Asilus tipuloides* Fabricius (mon.) = *cylindrica* (De Geer).
- Gonypes* Latreille, 1805:309. Type-species, *Asilus tipuloides* Fabricius (mon.) = *cylindrica* (De Geer).
- ANNULIPES Walker, 1855:772. Type-locality: Brazil, Pará (Belém). Distr. — Brazil (Pará). Type vid. BM.
- APICALIS Enderlein, 1914:153. Type-locality: Ecuador, Santa Inéz. Distr. — Ecuador. Type, STUT.
- BASALIS Walker, 1855:770. Type-locality: Brazil, Amazonas, Ega (= Tefé). Distr. — Brazil.



- BENGRIYI Farr, 1963:10. Type-locality: Jamaica, Portland, Hardwar Gap, trail to Caledonia Peak. Distr. — Jamaica. Type *vid.* USNM.
- BICOLOR (Macquart), 1848:191 (1848:31), pl. 3, fig 6 (*Gonypes*). Type-locality: "Rio Negro". Distr. — "Rio Negro".
- CINGULIPES Walker, 1849:131. Type-locality: Brazil, Amazon. Distr. — Brazil. Type, not in BM.
- CLAVISTYLA (Rondani), 1848:96 (*Gonypes*). Type-locality: "Brazil". Distr. — Brazil.
- CONCINNATA Williston, 1901:300. Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico (Guerrero). Type *vid.* BM.
- CROCEA Williston, 1901:300. Type-locality Mexico, Guerrero, Omilteme. Distr. — Mexico (Guerrero). Type *vid.* BM.
- DISTINCTA Schiner, 1867:375. Type-locality: "Brazil". Distr. — Brazil. Type *vid.* WIEN.
- FERRUGINEUS Walker, 1855:771. Type-locality: Brazil, Pará (Belém). Distr. — Brazil (Pará). Type *vid.* BM.
- FERVENS Wiedemann, 1830:646. Type-locality: "Mexico". Distr. — Mexico. Type in Berlin?
- truquii* Bellardi, 1861:187. Type-locality: Mexico, Jantepec. Distr. — Mexico. Type *vid.* TORO.
- FUSCIPENNIS Blanchard, 1852:371. Type-locality: "Chile". Distr. — Chile. *nigrescens* Blanchard, 1852:371 (lapsus).
- INTIMA Williston, 1901:301. Type-locality: Mexico, Guerrero, Xucumanatlán. Distr. — Mexico (Guerrero). Type *vid.* BM.
- JAMAICENSIS Farr, 1963:9. Type-locality: Jamaica, St. Thomas, Morant Bay Road, 14.5 miles east of Kingston. Distr. — Jamaica. Type *vid.* USNM.
- KAMERLACHERI Schiner, 1867:358. Type-locality: "Brazil". Distr. — Brazil. Type *vid.* WIEN, abdomen missing.
- LERNERI Curran, 1953:1. Type-locality: Bahama Islands, South Bimini Island. Distr. — Bahama Islands. Type *vid.* AMNH.
- MARTINI Farr, 1963:13. Type-locality: Jamaica, St. Thomas, 12.5 miles east of Kingston. Distr. — Jamaica. Type *vid.* USNM.
- MICROPYGIALIS Williston, 1901:301. Type-locality: Mexico, Guerrero, La Venta. Distr. — Mexico (Guerrero). Type *vid.* BM.
- MULTICINCTA Walker, 1851:155. Type-locality: "South America". Distr. South America. Type *vid.* BM.
- NIGER Wiedemann, 1828:533. Type-locality: "Brazil". Distr. — Brazil (São Paulo). Type *vid.* WIEN.
- nigra* Williston, 1891:68 (lapsus).
- NUBECULOSA Bigot, 1878:445. Type-locality: "Colombia". Distr. — Colombia. Type *vid.* OXF.
- OBSCURIPES Loew, 1862:191 (Cent. 2, n° 13). Type-locality: "Cuba". Distr. — United States, Cuba.
- ramoni* Jaennicke, 1867:354. Type-locality: "Cuba".
- PUBESCENS Curran, 1934:323. Type-locality: Guyana, Kartabo. Distr. — Guyana. Type *vid.* AMNH.

- ROEDERI Williston, 1896:304. Type-locality: West Indies, St. Vincent Island. Distr. — St. Vincent Island. Type, in BM.
- RUBIDA Wiedemann, 1821:242. Type-locality: "Brazil". Distr. — Brazil. Type *vid.* WIEN.
- rubida* Wiedemann of Williston, 1901:299, Mexico (misident.). Specimen *vid.* BM.
- testacea* Loew of Williston, 1901:299, Mexico (misident.).
- SPINITARSIS Bromley, 1951:4. Type-locality: Panama, Barro Colorado Island, Canal Zone. Distr. — Panama (Canal Zone). Type *vid.* USNM.
- TITANUS Carrera, 1958:147. Type-locality: Brazil, São Paulo, Salesópolis. Distr. — Brazil (São Paulo, Santa Catarina). Type *vid.* SAO.
- TORNOWII Brèthes, 1904:327. Type-locality: "Argentina". Distr. — Argentina.
- TRIANGULATA Williston, 1901:299, pl. 5, figs. 13, 13a. Type-locality: Mexico, Guerrero, Amula. Distr. — Mexico (Guerrero: Morelos). Type *vid.* BM.
- TROPICA Curran, 1934:329. Type-locality: Guyana, Kartabo. Distr. — Guyana. Type, AMNH.
- VITRIPENNIS Schiner, 1867:356. Type-locality: "Brazil". Distr. — Brazil (Santa Catarina). Type *vid.* WIEN.
- VORAX Curran, 1934:329. Type-locality: Guyana, Tumatumari. Distr. — Guyana. Type, AMNH.

Genus PSILONYX Alrich

- PSILONYX Aldrich, 1923:5. Type-species, *Leptogaster annulatus* Say (orig. des.).
- ANNULATUS (Say), 1823:75. Type-locality: U.S.A., Pennsylvania. Distr. — U.S.A.
- annulatus* Say of Carrera, 1944:92, Brazil, is misident. Specimens *vid.*
- ARAWAK Farr, 1963:7. Type-locality: Jamaica, St. Andrew, Ferry. Distr. — Jamaica. Type *vid.* USNM.
- MACROPYGIALIS (Williston), 1901:301, pl. 5, fig. 14 (*Leptogaster*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico (Tabasco). Type *vid.* BM.
- MAGNICAUDA (Curran), 1934:328 (*Leptogaster*). Type-locality: Guyana, Kartabo. Distr. — Guyana. Type *vid.* AMNH.
- VENUSTUS (Bromley), 1929:274 (*Leptogaster*). Type-locality: "Cuba". Distr. — Cuba. Type *vid.* MCZ.

Genus BEAMEROMYIA Martin

- BEAMEROMYIA Martin, 1957:355. Type-species, *Leptogaster pictipes* Loew (orig. des.). Type, AMNH.
- Leptogaster* (*Beameromyia*); Hull *nec* Martin, 1962: misident.

- CHRYSOPE Martin, 1957a:357. Type-locality: U.S.A., Florida. Distr. — U.S.A. (Florida), Jamaica. Type *vid.* AMNH.
- CUBENSIS (Bigot), 1857:332 (*Gonypes*). Type-locality: "Cuba". Distr. — Cuba. Type *vid.* PARIS.
- DORSALIS (Williston), 1901:301 (*Leptogaster*). Type-locality: Mexico, Guerrero, Xucumanatlán. Distr. — Mexico (Guerrero). Type *vid.* BM.
- GRAMINICOLA Farr, 1963:16. Type-locality: Jamaica, Kingston, Palisadoes. Distr. — Jamaica. Type *vid.* USNM.
- INSULARIA Martin, 1957b:3. Type-locality: Bahama Islands, Turks and Caicos Island. Distr. — Bahama Islands. Type *vid.* AMNH.
- PICTIPES (Loew), 1862:189 (*Leptogaster*). Type-locality: U.S.A., Illinois. Distr. — U.S.A. Type *vid.* MCZ.
- pictipes* Loew of Johnson, 1919:431, Jamaica, (misident). Specimen *vid.* MCZ.
- PUNICEA Martin, 1957a:362. Type-locality: U.S.A., Arizona. Distr. — U.S.A., Mexico (Chiapas). Type *vid.* AMNH.

Genus SCHILDIA Aldrich

- SCHILDIA Aldrich, 1923:4. Type-species, *microthorax* Aldrich (orig. des.).
- Shannomyioleptus* Carrera, 1944:87. Type-species, *fragilis* Carrera (orig. des.).
- Leptogaster* (*Shannomyioleptus*); Hull, 1962:319, misident.
- FRAGILIS (Carrera), 1944:87 (*Shannomyioleptus*). Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — Brazil (Mato Grosso). Type *vid.* SAO.
- GRACILLIMUS (Walker), 1855:722 (*Leptogaster*). Type-locality: Brazil, Pará (Belém) Distr. — Brazil (Pará). Type *vid.* BM.
- JAMAICENSIS Farr, 1962:191. Type-locality: Jamaica, St. Andrew, Long Mountain. Distr. — Jamaica. Type *vid.* USNM.
- MICROTHORAX Aldrich, 1923:4. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica (San Mateo). Type *vid.* USNM.
- sp.*, Guatemala, Martin, 1965:114.
- sp.*, Mexico, Baja California (New locality record for genus).

Genus APACHEKOLOS Martin

- APACHEKOLOS Martin, 1957:352. Type-species, *Leptogaster scapularis* Bigot (orig. des.).
- Leptogaster* (*Apachekolos*); Hull *nec* Martin, 1962:301, misident.
- CLAVIPES (Johnson), 1897:273 (*Leptogaster*, nom. nov. for *longipes* Johnson). Type-locality: "Jamaica". Distr. — Jamaica, Bahama Islands. Type *vid.* MCZ.
- longipes* Johnson, 1894:273 (*Leptogaster*, preocc. Walker, 1859).
- acus* Martin, 1957b:1. Type-locality: Bahama Islands. Type *vid.* AMNH.
- CRINITA Martin, 1957a:354. Type-locality: United States, New Mexico. Distr. — U.S.A., Mexico (San Luis Potosí). Type *vid.* AMNH.

Genus EURHABDUS Aldrich

- EURHABDUS Aldrich, 1923:2. Type-species, *zephyreus* Aldrich (orig. des.).
ZEPHYREUS Aldrich, 1923:3, fig. 1 (whole insect), 2 (wing), also fig. 3.
Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica (San Mateo). Type *vid.* USNM.
sp., Jamaica, Farr, 1963:20.

Genus LEPTOPTEROMYIA Williston

- LEPTOPTEROMYIA Williston, 1907:1. Type-species, *gracilis* Williston (sub. mon., Williston, 1908:195, fig. 77. 35). (See Hardy, 1947, Carrera 1947).
AMERICANA Hardy, 1947:74. Type-locality U.S.A., Texas, Hidalgo. Distr. U.S.A. (Texas).
GRACILIS Williston, 1908: p. 195, fig. 77,35. Type-locality: "Brazil". Syn. *willistoni* Hermann, 1924:143. Neotype, Carrera, 1947:89-96.

Genus SYSTELLOGASTER Hermann

- SYSTELLOGASTER Hermann, 1914:149. Type-species, *Euscelidia fascipennis* Schiner (orig. des.).
aurantiaca Hermann, 1926:151. Locality: "Peru". *Nomen nudum*. Specimen marked "Type" at MUN, but not described.
?BREVIVENTRIS (Rondani), 1848:96 (*Gonypes*). Type-locality: "Rio Negro". Distr. — Brazil.
CALCEOLATA (Bigot), 1878:430 (*Lasiocnemus*). Type-locality: Brazil, Amazon. Distr. — Brazil. Type *vid.* OXF.
FASCIPENNIS (Schiner), 1867:359 (*Euscelidia*). Type-locality: "Brazil". Distr. — Brazil (Santa Catarina). Type *vid.* WIEN.

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SciELO

DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

36

FAMILY NEMESTRINIDAE

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These flies are endoparasites of grasshoppers and scarabaeid beetles. The biology of these interesting Diptera has been studied by several authors, both in the Holarctic and Neotropical regions (Brauer, 1883, 1884; Bruch, 1917; Crouzel & Salavin, 1943; Dietz, 1953; Handlirsch, 1883; Léonide, 1962a, 1962b, 1963, 1964a, 1964b; Prescott, 1960, 1961; Riley, 1883; Spencer, 1931, 1932, 1945, 1958; Stuardo Ortiz, 1935a; York & Prescott, 1952). The works of Mackerras, 1925 (distribution, anatomy, etc.) and Hennig, 1952 (larval and pupal characters, systematics, distribution, biological notes), should also be consulted. Species of this family occur mostly at the southern end of South America (Chile and Argentina).

I want to express my sincere gratitude to Dr. J. H. Guimarães for revising the manuscript, comparing it with the files of the U.S. National Museum, and to Dr. Willis W. Wirth for his kind permission to use those files.

Subfamily HIRMONEURINAE

Genus HIRMONEURA Meigen

HIRMONEURA Meigen, 1820:132. Type-species, *obscura* Wiedemann (mon.).

Hermoneura, emend.

Hirmonevra, error.

Hyrnoneura, emend.

Refs. — Bequaert, 1932:14 (key to subgenera); Stuardo Ortiz, 1932 (synopsis of Chilean spp.).

Subgenus HIRMONEURA Meigen

EXOTICA Wiedemann, 1824:20. Type-locality: Uruguay, Montevideo. Distr.

— Brazil (Rio Grande do Sul), Uruguay, Argentina. Refs. — Be-

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quaert, 1934:175 (description of ♂); Bruch, 1917 (biol.); Stuardo Ortiz, 1943 (biology, puparium).

Subgenus NEOHIRMONEURA Bequaert

Hirmoneura, subg. NEOHIRMONEURA Bequaert, 1920:306. Type-species, *flavipes* Williston (orig. des.).

Ref. — Bequaert, 1920 (key to spp.).

BRADLEYI Bequaert, 1920:301, unnumbered text-fig. (whole insect). Type-locality: U.S.A., Texas, Comal Co., Anhalt. Distr. — U.S.A. (Texas).
ssp. NOVILEONIS Bequaert, 1950:8. Type-locality: México, Nuevo León, Monterrey.

PSILOTES Osten Sacken, 1886:74. Type-locality: "Mexico". Distr. — México, Guatemala.

Subgenus HIRMONEURILLA Bequaert

Hirmoneura, subg. HIRMONEURILLA Bequaert, 1932:15. Type-species, *Hermoneura punctipennis* Philippi (orig. des.).

ECUADORENSIS Bequaert, 1932:16. Type-locality: Ecuador, "Cordilleras". Distr. — Ecuador.

PUNCTIPENNIS (Philippi), 1865:660 (*Hermoneura*). Type-locality: Chile, Santiago and Colchagua. Distr. — Chile. Ref. — Stuardo Ortiz, 1932:75, pl. 4, fig. 4 (whole insect), pl. 5, fig. 3 (wing).

var. *?luctuosa* Philippi, 1865:661 (*Hermoneura*). Type-locality: Chile, near Santiago. Ref. — Stuardo Ortiz, 1932:76, pl. 3, fig. 1 (whole insect).

luctuos Hunter, 1901:150 (error).

Subgenus HIRMONEUROPSIS Bequaert

Hirmoneura, subg. HIRMONEUROPSIS Bequaert, 1932:15. Type-species, *brevirostrata* Bigot (orig. des.).

BREVIROSTRATA (Bigot), 1857:280, pl. 6, figs. 1, 1a, 1b (whole insect, head, antenna) (*Hirmoneura*). Type-locality: "Chile". Distr. — Chile. Ref. — Stuardo Ortiz, 1932: 68, pl. 3, fig. 3 (whole insect).

bigoti Schiner, 1808:108 (unjustified change of name for *brevirostrata* Bigot).

brevirostris Hunter, 1901:150 (error).

ORELLANAE Stuardo Ortiz, 1936:170, pl. 16, fig. 4 (whole insect). Type-locality: Chile, Coquimbo, Cuncumén. Distr. — Chile.

SILVAE Stuardo Ortiz, 1936:171, pl. 16, fig. 3 (whole insect). Type-locality: Chile, Nuble, Termas de Chillán, Gruta de los Pangues, 1700 m. Distr. — Chile.

STROBELII (Rondani) 1868:11, pl. 4, fig. 11 (antenna) (*Hirmoneura*). Type-locality: Argentina, Santa Fe and Córdoba, Rio Cuarto, Rosário. Distr. — Chile, Argentina. Refs. — Lichtwardt, 1910:600; Stuardo Ortiz, 1932:79, pl. 3 fig. 4 (whole insect).

simplex Bigot, 1881:20. Type-locality: "Chile".

Subgenus AUSTROHIRMONEURA Bequaert

- Hirmoneura*, subg. AUSTROHIRMONEURA Bequaert, 1932:15. Type-species, *Hermoneura bellula* Philippi (orig. des.).
- ARTICULATA (Philippi), 1865:660 (*Hermoneura*). Type-locality: Chile, Colchagua. Distr. — Chile, Argentina. Refs. — Stuardo Ortiz, 1932:71, pl. 3, fig. 4 (whole insect), 1935a:197 (biol.), 1936:174, fig. 15 (puparium).
- cinerea* Philippi, 1865:660 (*Hermoneura*). Type-locality: Chile, Colchagua and Santiago, Illapel.
- clinerea* Hunter, 1901:150 (error).
- BELLULA (Philippi), 1865:662 (*Hermoneura*). Type-locality: Chile, Santiago, Illapel. Distr. — Chile. Ref. — Stuardo Ortiz, 1932:77, pl. 4, fig. 3 (whole insect), pl. 5, fig. 5 (wing).
- MACULIPENNIS Macquart, 1849:99, pl. 9, fig. 10 (wing). Type-locality: "Chile". Distr. — Chile, Paraguay. Ref. — Stuardo Ortiz, 1932:64, pl. 4, fig. 2 (whole insect), pl. 5, fig. 4 (wing).
- fusca* Rondani, 1863:51. Type-locality: "Chile".
- modesta* Philippi, 1865:662 (*Hermoneura*). Type-locality: Chile, Santiago, "radicem Andium".
- RUIZI Stuardo Ortiz, 1936:172, pl. 16, fig. 2 (whole insect). Type-locality: Chile, Talca, Las Mercedes. Distr. — Chile.

Subgenus HYRMOPHLEAEBIA Rondani

- HYRMOPHLEAEBIA Rondani, 1863:51 (1864:51) (as genus). Type-species, *Hirmoneura brevirostris* Macquart (orig. des.).
- Hirmophloeoba*, error.
- Hymophloeoba*, error.
- ANDICOLA Lichtwardt, 1925:393, fig. 1 (wing). Type-locality: Argentina, Salta, 2500 m. Distr. — Argentina.
- ANTHRACOIDES (Philippi), 1865:663 (*Hermoneura*). Type-locality: Chile, Santiago, "Andibus humilioribus". Distr. — Chile. Ref. — Lichtwardt, 1910:599.
- albistria* Schiner, 1868:109. Type-locality: "Chile".
- BREVIROSTRIS Macquart, 1846:101, pl. 20, fig. 1 (whole insect). Type-locality: Mexico, Mérida de Yucatán. Distr. — Mexico, Guatemala. Ref. — Bequaert, 1930:295.
- LURIDA (Rondani), 1868:33, pl. 4, fig. 10 (antenna) (*Hymoneura*). Type-locality: Argentina, Mendoza, San Carlos. Distr. — Chile, Argentina. Ref. — Stuardo Ortiz, 1936:176 (biol.).
- TEXANA Cockerell, 1908:253. Type-locality: U.S.A., Texas. Distr. — U.S.A. (Texas, Arizona), Mexico, Panama.

Unplaced species of *Hirmoneura*

- basalis* Lichtwardt, 1910:595, fig. 3 (wing). Type-locality: "Ecuador" (error; not Neotropical; see Lichtwardt, 1925:392).



Subfamily NEMESTRININAE

Genus TRICHOPHTHALMA Westwood

TRICHOPHTHALMA Westwood, 1835:448. Type-species, *bivittata* Westwood (Lichtwardt, 1910:601).

Refs. — Edwards, 1930:191 (key to Chilean spp.); Stuardo Ortiz, 1935b (synopsis of Chilean spp.).

Subgenus TRICHOPHTHALMA Westwood

AMOENA Bigot, 1881:20 (originally incorrectly spelled "*amaena*"). Type-locality: "Chile". Distr. — Chile, Argentina.

niveicineta Lichtwardt, 1910:610 (*Eurygastromyia*). Type-locality: Argentina, Chubut, Valle del Lago Blanco.

MORENI Stuardo Ortiz, 1939:81. Type-locality: "Patagonia". Distr. — Patagonia.

NIVEIBARBIS (Bigot), 1857:382 (*Hirmonevra*). Type-locality: "Chile". Distr. — Chile. Ref. — Stuardo Ortiz, 1935: pl. 7, fig. 2 (whole insect).

Subgenus EURYGASTROMYIA Lichtwardt

EURYGASTROMYIA Lichtwardt, 1910:601 (as genus). Type-species, *Trichophthalma philippii* Rondani (Bequaert, 1932:29).

ANDINA (Philippi), 1865:659 (*Hermoneura*). Type-locality: Chile, Nuble, near Termas de Chillán. Distr. — Chile.

BARBAROSSA (Bigot), 1857:281 (*Hirmonevra*). Type-locality: "Chile". Distr. — Brazil (Rio Grande do Sul), Chile. Refs. — Roeder, 1882:511; Stuardo Ortiz, 1935: pl. 7, fig. 1 (whole insect); Lichtwardt, 1910:596.

zonalis Rondani, 1863:52. Type-locality: "Chile".

nemestrinoides Jaennicke, 1867:335, pl. 43, fig. 6 (whole insect) (*Hirmoneura*). Type-locality: "Chile".

vicarians Schiner, 1868:111. Type-locality: "Chile".

vicarius Hunter, 1901:150 (error).

COMMUTATA (Philippi), 1865:658 (*Hermoneura*). Type-locality: Chile, Valdivia. Distr. — Chile.

chilensis Macquart of Blanchard, in Gay, 1852:383, pl. 3, fig. 11 (whole insect, natural size), 11b (mouthparts), 11c (antenna).

EXIMIA (Philippi), 1865:656 (*Hermoneura*). Type-locality: Chile, Valdivia, L. Ranco. Distr. — Chile. Ref. — Stuardo Ortiz, 1935: pl. 7, fig. 3 (whole insect).

GLAUCIVENTRIS Edwards, 1930:183, fig. 11 (whole insect, antenna). Type-locality: Chile, Llanquihue, Casa Pangué. Distr. — Chile.

HERBSTI Lichtwardt, 1910:605. Type-locality: Chile, Concepción, and Termas de Tolhuaca. Distr. — Chile.

JAFFUELI Stuardo Ortiz, 1936:172, pl. 16, fig. 1 (whole insect). Type-locality: Chile, Nuble, Termas de Chillán. Distr. — Chile, Argentina.



- LANDBECKI (Philippi), 1865:658 (*Hermoneura*). Type-locality: Chile, Colchagua, near Clico. Distr. — Chile. Ref. — Stuardo Ortiz, 1935: pl. 7, fig. 4 (whole insect).
speciosa Pirion, 1930:171 (*nomen nudum*).
- MURINA Lichtwardt, 1910:607. Type-locality: Argentina, Chubut, Valle del Lago Blanco. Distr. — Chile, Argentina.
- NUBIPENNIS (Rondani), 1863:52 (*Hirmoneura*). Type-locality: "Chile". Distr. — Chile.
picta Philippi, 1865:657 (*Hermoneura*). Type-locality: Chile, Valdivia.
- PHILIPPI (Rondani), 1863:53 (*Hirmoneura*). Type-locality: "Chile". Distr. — Chile, Argentina. Ref. — Stuardo Ortiz, 1935: pl. 7, fig. 5 (whole insect).
balteata Philippi, 1865:656, pl. 25, figs. 23, 23a (whole insect, antenna) (*Hermoneura*). Type-locality: Chile, Valdivia.
baltea Hunter, 1901:150 (error).
- PICTIPENNIS (Philippi), 1865:657 (*Hermoneura*). Type-locality: Chile, Valdivia. Distr. — Chile.
- PORTERI Stuardo Ortiz, 1934:245, fig. 55 (wing, antenna, palpus). Type-locality: Chile, Santiago, Peñalolén, Casa de Piedra, 1600 m. Distr. — Chile.
- SCALARIS Bigot, 1881:19. Type-locality "Chile". Distr. — Chile.
- SEXMACULATA Edwards, 1930:184. Type-locality: Chile, Llanquihue, Casa Pangué. Distr. — Chile.
- SUBAURATA Westwood, 1835:448. Type-locality: Chile, Valparaíso. Distr. — Chile.
chilensis Macquart, 1840:19, pl. 2, fig. 8 (head, lateral view) (*Hirmoneura*). Type-locality: "Chile".
flaviventris Blanchard, in Gay, 1852:384, pl. 3, figs. 12, 12a (whole insect) (*Hirmoneura*). Type-locality: Chile, Coquimbo.
?bombyliiformis Schiner, 1868:111. Type-locality: "Chile".
- URSULA (Philippi), 1865:659 (*Hermoneura*). Type-locality: Chile, Valdivia. Distr. — Chile.

Genus NEORHYNCHOCEPHALUS Lichtwardt

- NEORHYNCHOCEPHALUS Lichtwardt, 1910:512. Type-species, *Rhynchocephalus volaticus* Williston (Bequaert, 1930:287).
- Rhynchocephalus*, subg. *Nemestrinopsis* Cockerell, 1910:285. Type-species, *volaticus* Williston (orig. des.).
 Ref. — Bequaert, 1934 (key to spp.).
- MENDOZANUS (Lichtwardt), 1910:594 (*Rhynchocephalus*). Type-locality: Argentina, Mendoza. Distr. — Chile, Argentina.
- MEXICANUS Bequaert, 1934:171, figs. 1A-D (wing, vertex, head, antenna). Type-locality: Mexico, Mexico City. Distr. — Mexico.
- SULPHUREUS (Wiedemann), 1830:631 (*Nemestrina*). Type-locality: Brazil, Minas Gerais. Distr. — Brazil, Paraguay, Argentina, Uruguay. Ref. — Lichtwardt, 1910:594.



SACKENH (Williston), 1880:243, unnumbered text-fig. (wing) (*Rhynchocephalus*). Type-locality: U.S.A., Washington, Olympia. Distr. — U.S.A. (Washington to Iowa, south to California and Georgia, also Michigan), Mexico. Refs. — Dietz, 1953:38; Prescott, 1961:557; Spencer, 1931, 1932.

VITRIPENNIS (Wiedemann), 1830:631 (*Nemestrina*). Type-locality: "Brazil". Distr. — Brazil, Uruguay, Argentina. Ref. — Lichtwardt, 1910:954.

VOLATICUS (Williston), 1883:71, fig. 4 (wings) (*Rhynchocephalus*). Type-locality: U.S.A., Florida. Distr. — U.S.A. (Arizona to Missouri and Florida), Mexico, Central America.

Subfamily TRICHOPSIDEINAE

Genus ATRIADOPS Wandolleck

Colax Wiedemann, 1824:18 (preocc. Hübner, 1816). Type-species, *macula* Wiedemann (mon.).

ATRIADOPS Wandolleck, 1897:245 (nom. nov. for *Colax* Wiedemann). Type-species, *Colax macula* Wiedemann (aut.).

MACULA (Wiedemann), 1824:18, fig. 8 (whole insect, head, wing) (*Colax*). Type-locality: "Brazil". Distr. — Brazil. Refs. — Lopes, 1936:883, pl. 1, figs. 1-5, pl. 2, figs. 1-4 (♂ and ♀ genitalia, mouthparts, wings); Bequaert, 1937:205.

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MUSEU DE ZOOLOGIA, UNIVERSIDADE DE SÃO PAULO
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A CATALOGUE OF THE DIPTERA OF THE AMERICAS SOUTH
OF THE UNITED STATES

38

FAMILY BOMBYLIIDAE¹REGINALD H. PAINTER², ELIZABETH M. PAINTER, AND JACK HALL³

The Bombyliidae are a large family of parasitic or predaceous flies belonging to the lower Brachycera. Other than those species reported on in *Biologia Centrali Americana*, Philippi's and Hall's works on Chilean species and a few scattered shorter papers, little is known concerning the Neotropical fauna. Most of the species are poorly described and many are unrecognizable. Many of the types have been lost or damaged.

Virtually nothing is known of the immature stages of the Neotropical species. Throughout the world the Bombyliidae are known to be parasitic upon the larvae of various Diptera, Lepidoptera, and Hymenoptera as well as on members of the Coleoptera, Orthoptera, and Neuroptera. In the Hymenoptera, both the solitary and semisocial bees and wasps are attacked. There are many species that are important predators of grasshopper egg pods.

The Bombyliidae are worldwide in distribution but are most abundant in the more arid temperate regions. Approximately 6,000 species are known, with the Palearctic and Ethiopian species more completely studied than any other.

Most of the synonymies contained herein are the result of the late R. H. Painter's painstaking studies of the types located in European and United States museums.

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BOMBYLIIDAE HOMOEOPHTHALMAE

Subfamily BOMBYLIINAE

Genus ACROPHTHALMYDA Bigot

Scinax Loew, 1855: 42 (preocc. Wagler, 1830). Type-species, *Bombylius sphenoptera* Loew (orig. des.).

ACROPHTHALMYDA Bigot, 1858: 573. Type-species, *Cyllenia elegantula* Bigot (mon.) = *sphenoptera* (Loew).

Bombylisoma Rondani of Rondani, 1863: 66, misident.

Ostentator Jaennicke, 1867: 348 (1868: 41). Type-species, *punctipennis* Jaennicke (mon.) = *sphenoptera* (Loew).

This genus is apparently endemic to Chile. Refs. — Paramonov, 1931a: 47; Hall, 1976a: 21 (key and descr.).

PAULSENI (Philippi), 1865: 651 (*Bombylius*). Type-locality: Chile, Santiago Prov. Distr. — Chile (Arauco, Malleco, Cautín, Ñuble, Concepción, Valparaíso, Valdivia, Aconcagua, Linares, Maule, Curicó, Santiago). Ref. — Hall, 1976a: 22.

SPHENOPTERA (Loew), 1855: 42 (*Scinax*). Type-locality: "Chile". Distr. — Chile (Santiago, Valparaíso, Malleco, Coquimbo). Ref. — Hall, 1976a: 24.

elegantula Bigot, 1857b: 294 (*Cyllenia*). Type-locality: "Chile".

sphenoptera Bigot, 1858: 573, misspell.

decorata Rondani, 1863: 68 (*Bombylisoma*). Type-locality: "Chile".

punctipennis Jaennicke, 1867: 349 (1868: 41), pl. 43 (= 1), fig. 10 (*Ostentator*). Type-locality: "Chile".

Genus BOMBYLIUS Linnaeus

BOMBYLIUS Linnaeus, 1758: 606. Type-species, *major* Linnaeus (Latreille, 1810: 443).

Bombylius, subg. SEMISTOCHUS Hall, 1976a: 27. Type-species, *ovatus* Hall (orig. des.).

Bombylius, subg. PARASYSTOCHUS Hall, 1976a: 27. Type-species, *flavescens* Hall (orig. des.).

Only the Chilean species have been included in subgenera; these are indicated within square brackets. The immature stages attack larvae of ground nesting solitary bees (Hull, 1973)

ABDOMINALIS Wiedemann, 1828: 346. Type-locality: Uruguay, Montevideo. Distr. — Brazil (Rio Grande do Sul), Uruguay.

mesomelas Wiedemann, 1830: 640. Type-locality: Brazil, Rio Grande do Sul, Caçapava do Sul. Ref. — Painter & Painter, 1974: 11.



- aurovittatus* Macquart, 1850: 423 (1850: 119). Type-locality: "South America" (in error; not Neotropical; = *B. fulvonotatus* Wiedemann, 1818). Ref. — Bowden, 1975: 312.
- CLIO Williston, 1901: 285. Type-locality: Mexico, Guerrero: Acaguizotla, Hacienda de la Imagen, Tierra Colorada, and Rincón. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1962: 6.
- DICHOPTUS Hall, 1976a: 28 [*Bombylius*]. Type-locality: Chile, Coquimbo, El Pangue. Distr. — Chile (Coquimbo, Santiago).
- FLAVESCENS Philippi, 1865: 650 [*Parasystoechus*]. Type-locality: Chile, Santiago. Distr. — Chile (Curicó, Aconcagua, Ñuble, Cautín, Malleco, Concepción, Coquimbo, Talca, Arauco, Santiago, Linares, Valparaíso). Ref. — Hall, 1976a: 29.
- FLAVIPILOSUS Cole, 1923: 308. Type-locality: Mexico, Baja California, San Francisquito Bay. Distr. — Mexico (Baja California).
- HAYWARDI Edwards, 1937: 36. Type-locality: Argentina, La Rioja, Patquia. Distr. — Argentina (La Rioja).
- HELVUS Wiedemann, 1821: 164. Type-locality: "Mexico". Distr. — Mexico. Ref. — Painter & Painter, 1962: 9.
- IO Williston, 1901: 285, pl. 5, fig. 7. Type-locality: Mexico, Guerrero: Acaguizotla and Dos Arroyos. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1962: 10.
- LANDBECKI Philippi, 1865: 650 [*Parasystoechus*]. Type-locality: Chile, Colchagua. Distr. — Chile (Colchagua). Ref. — Hall, 1976a: 31.
- MEXICANUS Wiedemann, 1821: 166. Type-locality: U.S.A., Georgia. Distr. — U.S.A. (e. and s. states), Mexico (Sonora).
- philadelphicus* Macquart, 1840: 99 (1841: 377), pl. 6, fig. 3, pl. 7, fig. 3. Type-locality: U.S.A., Pennsylvania, Philadelphia.
- fulvibasis* Macquart, 1855: 102 (1855: 82). Type-locality: U.S.A., Maryland, Baltimore. Ref. — Painter & Painter, 1962: 8, 15.
- OCHRACEUS Bigot, 1892: 364. Type-locality: Uruguay, Montevideo. Distr. — Uruguay. Ref. — Painter & Painter, 1974: 16.
- OVATUS Hall, 1976a: 31 [*Semistoechus*]. Type-locality: Chile, Santiago, Quebrada de la Plata. Distr. — Chile (Santiago).
- RAVUS Loew, 1863: 301 (Cent. 4, n° 50). Type-locality: Mexico, Tamaulipas, Matamoros. Distr. — Mexico (Tamaulipas).
- RUFONALIS Macquart, 1850: 424 (1850: 120). Type-locality: "South America".
- RUIZI Edwards, 1937: 35 [*Bombylius*]. Type-locality: Chile, Colchagua, Las Mercedes. Distr. — Chile (Colchagua, Coquimbo). Ref. — Hall, 1976a: 32.
- SENICULUS Philippi, 1865: 649 [*Parasystoechus*]. Type-locality: Chile, Santiago. Distr. — Chile (Santiago). Ref. — Hall, 1976a: 34.
- VALDIVIANUS Rondani, 1863: 68 [*Bombylius*]. Type-locality: "Chile". Distr. — Chile (Cautín, Maule, Osorno, Ñuble, Malleco, Valdivia, Magallanes, Aisén), Argentina (nw. Chubut). Ref. — Painter & Painter, 1974: 19.



valdivianus Philippi, 1865: 649. Type-locality: Chile, Valdivia. Ref. — Hall, 1976a: 34.

Genus PARABOMBYLIUS Williston

PARABOMBYLIUS Williston, 1907: 1. Type-species, *Thlipsogaster ater* Coquillett (Coquillett, 1910: 583) = *coquilletti* (Williston). Ref. — Painter, 1926: 73.

ALBOPENICILLATUS (Bigot), 1892: 363 (*Bombylius*). Type-locality: "Mexico". Distr. — U.S.A. (Texas, Arkansas), Mexico (Guerrero, Puebla, Oaxaca, Veracruz, Guanajuato). Ref. — Painter & Painter, 1962: 16.

COQUILLET (Williston), 1901: 286 (*Bombylius*; nom. nov. for *ater* Coquillett). Type-locality: U.S.A., Louisiana. Distr. — U.S.A. (Louisiana, Texas, Kansas, Arkansas, Mississippi, Ohio), Mexico (Guerrero, Nuevo León).

ater Coquillett, 1894: 108 (*Thlipsogaster*; preocc. Scopoli, 1763). Type-locality: U.S.A., Louisiana.

DOLOROSUS (Williston), 1901: 286, pl. 5, fig. 8 (*Bombylius*). Type-locality: Mexico, Guerrero: Dos Arroyos, Venta de Zopilote and Tierra Colorada. Distr. — Mexico (Guerrero, Morelos), U.S.A. (Arizona, Texas). Ref. — Painter & Painter, 1962: 19.

NIGROFEMORATUS Painter, 1940: 278 (nom. nov. for *vittatus* Curran). Type-locality: U.S.A., Arizona, Cobati Mts. Distr. — U.S.A. (Arizona), Mexico (Sonora).

vittatus Curran, 1930a: 7 (preocc. Painter, 1926). Type-locality: U.S.A., Arizona, Cobati Mts.

SUBFLAVUS Painter, 1926: 76. Type-locality: U.S.A., Arizona, Wilcox. Distr. — U.S.A. (Arizona), Mexico (Sonora).

SYNDESMUS (Coquillett), 1894: 108 (*Thlipsogaster*). Type-locality: U.S.A., s. California. Distr. — U.S.A. (s. states), Mexico (Coahuila).

Genus HETEROSTYLUM Macquart

HETEROSTYLUM Macquart, 1848: 195 (1848: 35). Type-species, *flavum* Macquart (orig. des.) = *hirsutum* (Thunberg).

Comastes Osten Sacken, 1877: 256. Type-species, *robustus* Osten Sacken (mon.). Ref. — Edwards, 1937: 31.

Ground nesting bees serve as hosts for the immature stages. One species, *robustum* (Osten Sacken), plays an important role in the decimation of populations of the alkali bee, *Nomia melanderi* Cockerell, an important pollinator of alfalfa.

BICOLOR (Loew), 1861: 34 (*Bombylius*). Type-locality: "Cuba". Distr. — Cuba.

DUOCOLOR Painter & Painter, 1974: 21 (nom. nov. for *bicolor* Wulp). Type-locality: Argentina, Córdoba. Distr. — Argentina (Córdoba).



- bicolor* Wulp, 1888: 366, pl. 9, figs. 7-8 (*Comastes*; preocc. Loew, 1861).
Type-locality: Argentina, Córdoba.
- FERRUGINEUM (Fabricius), 1805: 132 (*Bombylius*). Type-locality: "West Indies". Distr. — St. Thomas (W. I.), Brazil (Roraima, Ceará, Bahia, Mato Grosso, São Paulo), Paraguay, Bolivia. Ref. — Painter & Painter, 1974: 22.
- HAEMORRHOICUM (Loew), 1863: 300 (Cent. 4, nº 46) (*Bombylius*). Type-locality: "Cuba". Distr. — Cuba, Haiti.
- semirufus* Loew, 1872: 78 (Cent. 10, nº 41) (*Bombylius*). Type-locality: "Cuba". Ref. — Painter, 1930a: 2.
- HIRSUTUM (Thunberg), 1827: 67 (*Tanyglossa*). Type-locality: "Brazil". Distr. — Colombia, Venezuela, Brazil, Paraguay, Argentina.
- flavum* Macquart, 1848: 196 (1848: 36), pl. 3, fig. 15. Type-locality: "Brazil".
- xanthobasis* Curran, 1929: 6. Type-locality: Colombia, Magdalena, Sevellano. Ref. — Painter & Painter, 1974: 24.
- PALLIPES Bigot, 1892: 361. Type-locality: "Haiti". Distr. — Haiti. Ref. — Painter & Painter, 1974: 21.
- ROBUSTUM (Osten Sacken), 1877: 257 (*Comastes*). Type-locality: U.S.A., Texas. Distr. — U.S.A. (w. states), Mexico (Baja California, Coahuila, Guerrero, Morelos, Nuevo León, Puebla, Sinaloa, Sonora, Tamaulipas). Ref. — Painter, 1930a: 4.
- RUFUM (Olivier), 1789: 327 (*Bombylius*). Type-locality: "Antilles". Distr. — Mexico (Tabasco), West Indies, Guatemala, Panama. Guyana, Brazil, Argentina (Chaco).
- basilaris* Wiedemann, 1819: 46 (*Bombylius*). Type-locality: "Brazil".
- deustum* Thunberg, 1827: 68 (*Tanyglossa*). Type-locality: "Brazil".
- histrio* Walker, 1849: 293 (*Bombylius*). Type-locality: unknown.
- stigmatias* Knab, 1913: 110. Type-locality: Mexico, Tabasco, Frontera. Ref. — Painter & Painter, 1974: 27.

Genus TRIPLOECHUS Edwards

- TRIPLOECHUS Edwards, 1937: 31. Type-species, *Bombylius heteronevrus* Macquart (orig. des.).
- Triplasius*, authors, not Loew.
Ref. — Paramonov, 1947a: 183.
- ANGUSTIPENNIS Edwards, 1937: 34. Type-locality: Argentina, La Rioja, Patquia. Distr. — Argentina (La Rioja). Ref. — Paramonov, 1947a: 190.
- BELLUS (Philippi), 1865: 649 (*Bombylius*). Type-locality: Chile, Santiago Prov. Distr. — Chile (Santiago, Linares, Arauco, Talca, Curicó, Nuble, Valparaiso).
- minor* Edwards, 1937: 33. Type-locality: Chile, Valparaiso, Marga Marga. Ref. — Hall, 1976a: 52.



HETERONEVRUS (Macquart), 1850: 424 (1850: 120), pl. 11, fig. 10 (*Bombylius*). Type-locality: "Chile". Distr. — Chile (Valdivia, Santiago, Osorno, Valparaíso, Malleco, Aconcagua, Ñuble, Linares, Maule, Curicó, Atacama, Coquimbo).

heteroneurus, emend.

ornatus Rondani, 1863: 69 (*Bombylius*). Type-locality: "Chile". Ref. — Painter & Painter, 1974: 30; Hall, 1976a: 54.

PALLIPES Edwards, 1937: 34. Type-locality: Chile, Santiago, Las Mercedes. Distr. — Chile (Santiago, Ñuble). Ref. — Hall, 1976a: 55.

VIERECKI Cresson, 1919: 186. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (New Mexico), Mexico (Sonora, Durango, San Luis Potosí).

Genus LORDOTUS Loew

LORDOTUS Loew, 1863: 303 (Cent. 4, n° 53). Type-species, *gibbus* Loew (mon.). Refs. — Hall, 1954; Johnson & Johnson, 1959b (notes).

A small genus restricted apparently to the western United States and northern Mexico.

APICULUS Coquillett, 1887a: 166. Type-locality: U.S.A., Colorado. Distr. — U.S.A. (w. states), Mexico (Baja California, Sonora). Ref. — Johnson & Johnson, 1959b: 12.

DIVERSUS DIVERSUS Coquillett, 1891a: 198. Type-locality: U.S.A., California. Distr. — U.S.A. (s. California, Arizona), Mexico (Baja California: La Laguna, Sierra Laguna, 10 mi. nw. La Paz). Ref. — Hall, 1954: 16.

DIVISUS Cresson, 1919: 186. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (sw. states), Mexico (Baja California: 10 mi. nw. La Paz, Sierra Laguna, Las Animas).

niger Cresson, 1923: 367. Type-locality: U.S.A., New Mexico. Ref. — Hall, 1954: 27.

GIBBUS Loew, 1863: 303 (Cent. 4, n° 53). Type-locality: "Mexico". Distr. — U.S.A. (sw. states), Mexico (Sonora: Tehuacán, Agua Prieta).

flava Jaennicke, 1867: 346 (1868: 38) (*Adelidea*). Type-locality: "Mexico". Ref. — Hall, 1954: 11.

JUNCEUS Coquillett, 1891a: 198. Type-locality: U.S.A., California. Distr. — U.S.A. (sw. states), Mexico (Baja California: Tepoca Bay, San Francisquito Bay; Sonora: Mexicali). Ref. — Hall, 1954: 28.

PULCHRISIMUS PULCHRISIMUS Williston, 1893: 64. Type-locality: U.S.A., Nevada. Distr. — U.S.A. (sw. states), Mexico (Baja California: La Paz; Sonora).

carus Cresson, 1923: 367. Type-locality: U.S.A., California. Ref. — Hall, 1954: 23.



Genus SPARNOPOLIUS Loew

SPARNOPOLIUS Loew, 1855: 43. Type-species, *Bombylius fulvus* Wiedemann (Coquillett, 1910: 606) = *therminierii* (Macquart).

A single North American species has been reared from a *Phyllophaga* sp. (Scarabaeidae). Ref. — Hull, 1973: 12.

APERTUS (Macquart), 1847: 70 (1847: 54) (*Bombylius*). Type-locality: "Guadeloupe". Distr. — Guadeloupe. Ref. — Painter & Painter, 1962: 22.

CONFUSUS (Wiedemann), 1824: 60 (*Bombylius*). Type-locality: "Middle America".

senilis Fabricius of Wiedemann, 1821: 171 (*Bombylius*), misident. Ref. — Painter & Painter, 1974: 40.

DIVERSUS Williston, 1901: 287. Type-locality: Mexico, Guerrero, Hacienda de la Imagen. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1962: 23.

LHERMINIERII (Macquart), 1840: 103 (1841: 381) (*Bombylius*). Type-locality: U.S.A., "Carolina". Distr. — U.S.A. (c. and s. states), Mexico (Hidalgo).

fulvus Wiedemann, 1821: 172 (*Bombylius*; preocc. Meigen, 1804). Type-locality: "North America".

brevirostris Macquart, 1840: 103 (1841: 381), pl. 7, fig. 7 (*Bombylius*; preocc. Olivier, 1789). Type-locality: U.S.A., "Carolina".

fuscipes Bigot, 1892: 369 (*Dischistus*). Type-locality: "North America". Ref. — Painter & Painter, 1962: 24.

Genus CONOPHORUS Meigen

CONOPHORUS Meigen, 1803: 263. Type-species, *Bombylius maurus* Mikan (mon.) = *virescens* (Fabricius).

Ploas Latreille, 1804: 190. Type-species, *hirticornis* Latreille (sub. mon., Latreille, 1805: 300) = *virescens* (Fabricius).

Calopelta Greene, 1921: 23. Type-species, *fallax* Greene (mon.). Ref. — Priddy, 1958 (N. American spp.).

ATRATULUS (Loew), 1872: 79 (Cent. 10, n° 44) (*Ploas*). Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Baja California: Ensenada). Ref. — Priddy, 1958: 11.

Genus DISCHISTUS Loew

DISCHISTUS Loew, 1855: 45. Type-species, *Bombylius mystax* Wiedemann (Becker, 1913: 494).

Subgenus DISCHISTUS Loew

MACULATUS Hall, 1976a: 38. Type-locality: Chile, Santiago, Quebrada de la Plata. Distr. — Chile (Santiago, Aconcagua, Atacama, Curicó, Valparaiso).



Genus MALLOPHTHIRIA Edwards

MALLOPHTHIRIA Edwards, 1930: 169. Type-species, *lanata* Edwards (orig. des.).

LANATA Edwards, 1930: 170. Type-locality: Chile, Concepción. Distr. — Chile (Concepción). Ref. — Hall, 1976a: 46.

Genus NEODISCHISTUS Painter

NEODISCHISTUS Painter, 1933b: 1. Type-species, *currani* Painter (orig. des.). Ref. — Marston, 1961.

COLLARIS Painter, 1933b: 3. Type-locality: Argentina, Tucumán. Distr. — Brazil (Mato Grosso, São Paulo, Paraná), Bolivia (Santa Cruz), Paraguay (Villarica), Argentina (Tucumán). Ref. — Marston, 1961: 3.

CURRANI Painter, 1933b: 2. Type-locality: Panama, Canal Zone, Corozal. Distr. — Panama, Brazil (Ceará, Goiás, Mato Grosso, Minas Gerais, São Paulo), Argentina (Santiago del Estero). Ref. — Marston, 1961: 5.

Subfamily CYTHEREINAE

Genus PANTARBES Osten Sacken

PANTARBES Osten Sacken, 1877: 254. Type-species, *capito* Osten Sacken (mon.). Ref. — Painter, 1940.

PUSIO Osten Sacken, 1887: 153. Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (sw.), Mexico (n. Sonora).

Genus SERICOTHRIX Hall

SERICOTHRIX Hall, 1976a: 59. Type-species, *dioedes* Hall (orig. des.).

DIOEDES Hall, 1976a: 59. Type-locality: Chile, Malleco, Cerros de Nahuelbuta, Angol. Distr. — Chile (Malleco).

Genus SERICOSOMA Macquart

SERICOSOMA Macquart, 1850: 419 (1850: 115). Type-species, *fascifrons* Macquart (orig. des.). Ref. — Hall, 1976a: 60.

ACTIOS Hall, 1976a: 62. Type-locality: Chile, Antofagasta, 9 km n. Paposa. Distr. — Chile (Antofagasta).

ARGENTINAE Paramonov, 1947b: 366. Type-locality: Argentina, Salta. Distr. — Argentina (Salta).

BIGOTIANA Edwards, 1937: 39. Type-locality: "Chile". Distr. — Peru (Chosica Canyon), Chile (Coquimbo). Ref. — Hall, 1976a: 64.

CHILENSIS Hall, 1976a: 65. Type-locality: Chile, Tarapacá, 34.9 km s. Pica. Distr. — Chile (Tarapacá, Coquimbo).

- FASCIFRONS Macquart, 1850: 419 (1850: 115), pl. 11, fig. 1. Type-locality: "Chile". Distr. — Chile (Maule, Valparaíso). Ref. — Painter & Painter, 1974: 51.
- squamiventris* Edwards, 1937: 38. Type-locality: Chile, Valparaíso, Reñaca. Ref. — Hall, 1976a: 66.
- FULVA Edwards, 1937: 39. Type-locality: Chile, Valparaíso, Quebrada Verde. Distr. — Chile (Valparaíso, Santiago). Ref. — Hall, 1976a: 68.
- furva* Edwards in Paramonov, 1947b: 364, emend.
- IRWINI Hall, 1976a: 70. Type-locality: Chile, Atacama, Bahía Copaipo. Distr. — Chile (Atacama, Valparaíso).
- PUEIPES Edwards, 1937: 40. Type-locality: Argentina, Chubut. Distr. — Argentina (Chubut), Chile (Magallanes, Aisén). Ref. — Hall, 1976a: 71.
- ROSSI Hall, 1976a: 72. Type-locality: Chile, Coquimbo, 5 mi. n. Laguna Dam. Distr. — Chile (Coquimbo).
- SP., Brazil, Pernambuco, Arcoverde (Faz. Malhada) (in Mus. Zool., USP).

Genus CYTHEREA Fabricius

- CYTHEREA Fabricius, 1794: 413. Type-species, *obscura* Fabricius (Becker, 1913: 455).
- Mulio* Latreille, 1796: 155 (unnecessary nom. nov. for *Cytherea* Fabricius). Type-species, *Cytherea obscura* Fabricius (aut.).
- The occurrence of this genus in the Neotropical Region is open to question. The types of the four following species have not been located.
- CINEREA (Lynch Arribáizaga), 1878: 273 (*Mulio*). Type-locality: Argentina, Buenos Aires.
- PUBIA (Macquart), 1846: 243 (1846: 115), pl. 10, fig. 2 (*Mulio*). Type-locality: French Guiana, Cayenne.
- LATERALIS (Rondani), 1868: 35 (*Mulio*). Type-locality: Argentina, Mendoza, San Carlos.
- MARGINALIS (Rondani), 1868: 35 (*Mulio*). Type-locality: Argentina, Buenos Aires, Bahía Blanca.

Subfamily MYTHICOMYIINAE

Genus MYTHICOMYIA Coquillett

- MYTHICOMYIA Coquillett, 1893: 208. Type-species, *rileyi* Coquillett (mon.). Ref. — Melander, 1961: 1; Hall, 1976a: 75.
- AGNASTIS Hall, 1976a: 77. Type-locality: Chile, Santiago, El Canelo. Distr. — Chile (Santiago).
- ANNULATA Melander, 1961: 181. Type-locality: U.S.A., California, Distr. — U.S.A. (sw.), Mexico (Baja California).



- ARMATA Cresson, 1915b: 455. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (sw.), Mexico (Baja California). Ref. — Melander, 1961: 184.
- ATRA Cresson, 1915b: 456. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (sw.), Mexico (Hidalgo). Ref. — Melander, 1961: 185.
- BRACHYTIS Hall, 1976a: 77. Type-locality: Chile, Coquimbo, Fray Jorge National Park. Distr. — Chile (Coquimbo).
- CITRINA Hall, 1976a: 78. Type-locality: Chile, Atacama, 50-60 km s. Copaiipo. Distr. — Chile (Atacama).
- DIASEMA Hall, 1976a: 79. Type-locality: Chile, Santiago, 15 km e. Los Condes. Distr. — Chile (Santiago).
- FLAVIPES Cresson, 1915b: 452. Type-locality: U.S.A., Texas. Distr. — U.S.A. (Texas), Mexico (Sonora). Ref. — Melander, 1961: 204.
- GAUSA Melander, 1961: 208. Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California).
- GIBBA Melander, 1961: 209. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona), Mexico (Sonora).
- HYALINIPENNIS (Brèthes), 1920: 40 (*Heterohybos*: Empididae). Type-locality: "Chile". Distr. — Chile (Santiago). Ref. — Hall, 1976a: 80.
- ILLUSTRIS Melander, 1961: 215. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona), Mexico (Baja California).
- IRRUPTA Melander, 1961: 218. Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California).
- MACRA Hall, 1976a: 81. Type-locality: Chile, Tarapacá, 53 km s. Victoria. Distr. — Chile (Tarapacá).
- MELANIA Hall, 1976a: 82. Type-locality: Chile, Santiago, Quebrada de la Plata. Distr. — Chile (Santiago).
- MINOR Melander, 1961: 224. Type-locality: Mexico, Sonora, 85 km s. of border on road to Point Penasco. Distr. — U.S.A. (s. California), Mexico (Sonora).
- MODESTA Melander, 1961: 227. Type-locality: Mexico, Sonora, nr. Penasco. Distr. — U.S.A. (California), Mexico (Sonora).
- ORNATULA Melander, 1961: 235. Type-locality: U.S.A., Oregon. Distr. — U.S.A. (Oregon, California, Arizona), Mexico (Durango).
- ORTHIS Hall, 1976a: 83. Type-locality: Chile, Santiago, Quebrada de la Plata. Distr. — Chile (Santiago).
- PRAVIPES Melander, 1961: 243. Type-locality: U.S.A., California. Distr. — U.S.A. (w. States), Mexico (Durango).
- PROBLIS Hall, 1976a: 84. Type-locality: Chile, Atacama, 30 km s. Vallemar. Distr. — Chile (Atacama).
- PRUINOSA Melander, 1961: 244. Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Sonora).
- PUSILLIMA Edwards, 1930: 168. Type-locality: Uruguay, Montevideo. Distr. — Uruguay.

- RHAEBIA Melander, 1961: 246. Type-locality: U.S.A., California. Distr. — U.S.A. (California, Arizona), Mexico (Baja California).
- RILEYI Coquillett, 1893: 209. Type-locality: U.S.A., California. Distr. — U.S.A. (sw.), Mexico (Baja California, islands of Gulf of California, Sonora). Ref. — Melander, 1961: 247.
- SCUTELLATA Coquillett, 1903: 102. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (w. states), Mexico (Baja California). Ref. — Melander, 1961: 251.
- TENTHES Melander, 1961: 253. Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California).
- TREPTA Hall, 1976a: 85. Type-locality: Chile, Santiago, La Rinconada. Distr. — Chile (Santiago).
- TRIFORMIS Melander, 1961: 255. Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California).
- TUBICEN Melander, 1961: 257. Type-locality: Mexico, Baja California, Los Frailes. Distr. — U.S.A. (Arizona), Mexico (Baja California).

Genus GLABELLULA Bezzi

- Platygaster* Zetterstedt, 1838: 574 (preocc. Latreille, 1809). Type-species, *arctica* Zetterstedt (mon.).
- Sphaerogaster* Zetterstedt, 1842: 22 (nom. nov. for *Platygaster* Zetterstedt, but preocc. Dejean, 1821). Type-species, *Platygaster arctica* Zetterstedt (aut.).
- Glabella* Loew, 1873: 210 (preocc. Swainson, 1840). Type-species, *femorata* Loew (mon.).
- GLABELLULA Bezzi, 1902: 191 (nom. nov. for *Platygaster* Zetterstedt). Type-species, *Platygaster arctica* Zetterstedt (aut.).
- Pachyneres* Greene, 1924: 62. Type-species, *crassicornis* Greene (mon.).
- A single species, *arctica*, has been reported as an inquiline in ant nests. Ref. — Andersson, 1974.
- QUEBRADAE Hall, 1976a: 86. Type-locality: Chile, Santiago, Quebrada de la Plata. Distr. — Chile (Santiago).
- SP. Hennig, 1972: 15, fig. 27 (wing). Chile, Santiago, Farellones, 2800 m.

Subfamily PHTHIRIINAE

Genus PHTHIRIA Meigen

- PHTHIRIA Meigen, 1803: 268. Type-species, *Bombylius pulicarius* Mikan (mon.).
- CYCLORHYNCHUS Macquart, 1840: 114 (1841: 392) (as *Cyclorhynchus*, p. 123 [401]; preocc. Kaup, 1829). Type-species, *testaceus* Macquart (orig. des.). Requires a new name.



Cyclorrhynchus Bezzi, 1924: 3, emend.

POECILOGNATHUS Jaennicke, 1867: 350 (1868: 42). Type-species, *thlipsomyzoides* Jaennicke (mon.).

NEACREOTRICHUS Cockerell, 1917: 377. Type-species, *Acreotrichus atratus* Coquillett (orig. des.).

Phthiria, subg. MEGAPHTHIRIA Hall, 1976a: 105. Type-species, *pirioni* Edwards (orig. des.).

Only those species studied are placed in subgenera. Subgenus in square brackets.

ALBIDA Wiedemann, 1821: 242 [*Cyclorrhynchus*]. Type-locality: Brazil, Bahia. Distr. — Mexico (Veracruz), Brazil (Bahia, Goiás). Ref. — Painter & Painter, 1974: 53.

ALDRICHI Johnson, 1903: 184 [*Poecilognathus*]. Type-locality: U.S.A., Idaho. Distr. — U.S.A. (Idaho), Honduras (Puerto Castilla).

ALTERANS Williston, 1901: 291 [*Poecilognathus*]. Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1962: 44.

ATRATA (Coquillett), 1904a: 176 (*Acreotrichus*) [*Poecilognathus*]. Type-locality: Mexico, Chihuahua, Sierra Madre, Río Piedras Verdes. Distr. — Mexico (Chihuahua).

AUSTRANDINA Edwards, 1937: 40 [*Phthiria*]. Type-locality: Chile, Valdivia, Casa Pangué. Distr. — Chile (Valdivia, Santiago, Coquimbo, Aconcagua, Malleco, Llanquihue). Ref. — Hall, 1967a: 92.

AZTEC Painter, in Painter & Painter, 1962: 29 [*Phthiria*]. Type-locality: Mexico, Guerrero, 21 mi. s. Iguala. Distr. — Mexico (Guerrero).

BADIA Coquillett, 1904a: 174 [*Poecilognathus*]. Type-locality: U.S.A., Texas. Distr. — U.S.A. (Texas), Honduras (Puerto Castilla).

CANA Philippi, 1865: 653. Type-locality: Chile, Colchagua, San Fernando. Ref. — Hall, 1976a: 261.

CAPNOPENNIS Hall, 1976a: 106 [*Megaphthiria*]. Type-locality: Chile, Valparaíso, Cuesta Pucalán. Distr. — Chile (Valparaíso, Santiago).

CHILENA Rondani, 1863: 65 (as *Phthyria*) [*Phthiria*]. Type-locality: "Chile". Distr. — Chile (Coquimbo, Malleco, Ñuble, Osorno, Santiago, Valdivia, Valparaíso).

barbata Rondani, 1863: 65 (as *Phthyria*). Type-locality: "Chile".

vulgaris Philippi, 1865: 652. Type-locality: Chile, Santiago.

barbata Philippi, 1865: 654. Type-locality: Chile, Santiago.

Refs. — Painter & Painter, 1974: 55; Hall, 1976a: 94.

CINGULATA Loew, 1846: 383 [*Phthiria*]. Type-locality: "Mexico". Distr. — Mexico (Zacatecas, Puebla). Ref. — Painter & Painter, 1962: 31.

CONSORS Osten Sacken, 1887: 155 [*Phthiria*]. Type-locality: Mexico, Durango, Ciudad Durango. Distr. — Mexico (Durango, Guerrero). Ref. — Painter & Painter, 1962: 33.

- DOLOROSA Williston, 1901: 290 [*Phthiria*]. Type-locality: Mexico, Guerrero, Amula. Distr. — Mexico (Guerrero, Puebla, Jalisco).
- sororia* Williston, 1901: 291. Type-locality: Mexico, Guerrero, Amula. Ref. — Painter & Painter, 1962: 35.
- EXILIS Philippi, 1865: 653 [*Phthiria*]. Type-locality: None given. Distr. — Chile (Santiago). Ref. — Hall, 1976a: 96.
- FASCIVENTRIS Curran, 1928: 21 [*Phthiria*]. Type-locality: Puerto Rico, Coamo Springs. Distr. — Puerto Rico.
- FULVIDA Coquillett, 1904a: 172 [*Poecilognathus*]. Type-locality: Mexico, Tabasco, Frontera. Distr. — Mexico (Tabasco).
- HOMOCHROMA Hall, 1976a: 97 [*Phthiria*]. Type-locality: Chile, Santiago, Quebrada de la Plata. Distr. — Chile (Santiago, Coquimbo, Llanquihue, Malleco, Bio Bio).
- LURIDA Walker, 1857: 146 [*Phthiria*]. Type-locality: Brazil, Pará. Distr. — Brazil (Pará). Ref. — Painter & Painter, 1974: 56.
- MACROSTOMA Hall, 1976a: 107 [*Megaphthiria*]. Type-locality: Chile, Aconcagua, 2 km n. Cabillo. Distr. — Chile (Aconcagua).
- MIXTECA Painter, in Painter & Painter, 1962: 37 [*Phthiria*]. Type-locality: Mexico, Puebla, 6 mi. n. Tehuacán. Distr. — Mexico (Puebla).
- OLMECA Painter, in Painter & Painter, 1962: 38 [*Phthiria*]. Type-locality: Mexico, Guanajuato, 3 mi. n. León. Distr. — Mexico (Guanajuato, Puebla).
- PHILIPPANA Rondani, 1863: 66 (as *Phthyria*) [*Poecilognathus*]. Type-locality: "Chile". Distr. — Chile (Valparaíso, Coquimbo, Santiago). Ref. — Painter & Painter, 1974: 59.
- picta* Philippi, 1865: 653. Type-locality: Chile, Santiago. Ref. — Hall, 1976a: 101.
- PIRIONI Edwards, 1937: 41 [*Megaphthiria*]. Type-locality: Chile, Valparaíso, Marga Marga. Distr. — Chile (Valparaíso). Ref. — Hall, 1976a: 108.
- POLODES Hall, 1976a: 109 [*Megaphthiria*]. Type-locality: Chile, Atacama, 50-60 km s. Copaiipo. Distr. — Chile (Atacama, Santiago).
- PULCHELLA Williston, 1901: 288 [*Phthiria*]. Type-locality: Mexico, Guerrero, Amula. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1962: 41.
- STICTOPENNIS Hall, 1976a: 103 [*Poecilognathus*]. Type-locality: Chile, Coquimbo, Fray Jorge National Park. Distr. — Chile (Coquimbo).
- TESTACEA (Macquart), 1840: 114 (1841: 392), pl. 12, fig. 3 (*Cyclorhynchus*) [*Cyclorhynchus*]. Type-locality: "Brazil". Distr. — Brazil (São Paulo). Ref. — Painter & Painter, 1974: 60.
- THLIPSOMYZOIDES (Jaenicke), 1867: 351 (1868: 43), pl. 43 (= 1), fig. 11 (*Poecilognathus*) [*Poecilognathus*]. Type-locality: "Mexico". Distr. — Mexico (Guerrero).
- TOLTEC Painter, in Painter & Painter, 1962: 42 [*Phthiria*]. Type-locality: Mexico, Nayarit, 26 mi. se. Tépica. Distr. — Mexico (Nayarit).



TRISTIS Bigot, 1892: 367 [*Phthiria*]. Type-locality: "Chile". Distr. — Chile (Coquimbo, Santiago, Valparaiso). Ref. — Painter & Painter, 1974: 62; Hall, 1976a: 99.

UNIMACULATA Coquillett, 1904b: 32 [*Poecilognathus*]. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (sw.), Mexico (Sonora).

XANTHOGASTER Hall, 1976a: 104 [*Poecilognathus*]. Type-locality: Chile, Santiago, Quebrada de la Plata. Distr. — Chile (Santiago).

Subfamily USIINAE

Genus APOLYSIS Loew

APOLYSIS Loew, 1860: 86 (also 1860: 269; 1860: 197). Type-species, *humilis* Loew (mon.). Ref. — Melander, 1946 (key).

IRWINI Hall, 1976a: 89. Type-locality: Chile, Santiago, El Canelo. Distr. — Chile (Santiago).

PYGMAEUS (Cole), 1923: 314 (*Rhabdopselaphus*). Type-locality: Mexico, Baja California, San Francisquito Bay. Distr. — Mexico (Baja California).

QUEBRADAE Hall, 1976a: 89. Type-locality: Chile, Santiago, Quebrada de la Plata. Distr. — Chile (Santiago).

Genus OLIGODRANES Loew

OLIGODRANES Loew, 1844: 160. Type-species, *obscuripennis* Loew (Becker, 1913: 484).

Rhabdopselaphus Bigot, 1886: ciii. Type-species, *mus* Bigot (mon.).

Pseudogeron Cresson, 1915a: 201. Type-species, *mitis* Cresson (orig. des.). Ref. — Melander, 1946 (key).

ALBOPILUSUS (Cole), 1923: 313 (*Rhabdopselaphus*). Type-locality: Mexico, Baja California, San Francisquito Bay. Distr. — Mexico (Baja California).

TROCHILIDES (Williston), 1901: 292 (*Geron*). Type-locality: Mexico, Guerrero, Acaguizotla. Distr. — Mexico (Guerrero).

Genus DESMATOMYIA Williston

DESMATOMYIA Williston, 1895: 268. Type-species, *anomala* Williston (mon.). Ref. — Painter & Painter, 1968a.

BINOTATA Painter, 1968a: 411. Type-locality: Mexico, Sonora, 38 mi. e. Kino. Distr. — Mexico (Sonora, Chihuahua).

Subfamily GERONTINAE

Genus GERON Meigen

GERON Meigen, 1820: 223. Type-species, *gibbosus* Meigen (Rondani, 1856: 165) = *gibbosus* (Olivier). Ref. — Painter, 1932.

Specimens of this genus have been reared from Lepidoptera larvae belonging to the families Tortricidae, Pyralidae, Psychidae, and Noctuidae (Merle, 1975).

ALBIDUS Walker, 1857: 146. Type-locality: Brazil, Amazon. Distr. — Brazil (Amazon). Ref. — Painter & Painter, 1974: 64.

ALBUS Cole, 1923: 313. Type-locality: Mexico, Baja California, Coronados Island. Distr. — Mexico (Baja California).

AURICOMUS Hall, 1976a: 110. Type-locality: Chile, Santiago, El Canelo. Distr. — Chile (Santiago. Valparaiso).

CANUS Philippi, 1865: 654. Type-locality: Chile, Coquimbo. Distr. — Chile (Coquimbo, Santiago). Ref. — Hall, 1976a: 111.

COLEI, nom. nov. for *insularis* Cole. Type-locality: Mexico, Baja California, Tiburón Island. Distr. — Mexico (Baja California).

insularis Cole, 1923: 313 (preocc. Bigot, 1856). Type-locality: Mexico, Baja California, Tiburón Island.

HOLOSERICEUS Walker, 1849: 295. Type-locality: U.S.A., Georgia. Distr. — U.S.A. (Georgia, Kansas), Mexico (Baja California).

niveoides Cole, 1923: 312. Type-locality: Mexico, Baja California, San José Island.

versicolor Painter, 1932: 156. Type-locality: U.S.A., Kansas. Ref. — Painter & Painter, 1962: 47.

INSULARIS (Bigot), 1857a: 332 (*Bombylius*). Type-locality: "Cuba". Distr. — Cuba. Ref. — Painter & Painter, 1962: 47.

LITORALIS Painter, 1932: 146. Type-locality: Honduras, Puerto Castilla. Distr. — U.S.A. (Texas), Honduras.

RUFIPES Macquart, 1846: 247 (1846: 119). Type-locality: Mexico, Yucatán, Mérida. Distr. — Mexico (Guerrero, Jalisco, Yucatán).

SENLIS (Fabricius), 1794: 411 (*Bombylius*). Type-locality: "West Indies". Distr. — Bahamas Islands (Andros, Fortune I, Mayaguana I.), Puerto Rico, Virgin Islands (St. Croix).

Subfamily SYSTROPINAE

Genus SYSTROPUS Wiedemann

SYSTROPUS Wiedemann, 1820: 18. Type-species, *macilentus* Wiedemann (mon.).

Cephenus Berthold, 1827: 506 (unjustified nom. nov. for *Systropus* Wiedemann). Type-species, *Systropus macilentus* Wiedemann (aut.). Refs. — Carrera & d'Andretta, 1950; Painter & Painter, 1963, 1974.

Members of this genus have been reared from the immature stages belonging to the following families of insects: Scarabaeidae, Limacodidae, Mutillidae, and Sphingidae. From the literature it appears that the Limacodidae serve as the principle hosts for *Systropus* species (Merle, 1975). *Systropus* species are also well known for their mimicry of vespoid and sphecoid wasps.



- ACUTUS Painter, in Painter & Painter, 1963: 291. Type-locality: Mexico, Yucatán, 16 km n. Mérida. Distr. — Mexico (Yucatán, Oaxaca).
- ANGULATUS AMMOPHILOIDES Townsend, 1901: 159. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (Arizona, New Mexico, Texas), Mexico (Sonora, Sinaloa, Nayarit, Jalisco, Michoacán). Ref. — Painter & Painter, 1963: 296.
- ARIZONICUS Banks, 1909: 18. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona), Mexico (Jalisco, Michoacán, Nuevo León). Ref. — Painter & Painter, 1963: 298.
- BASILARIS Painter, in Painter & Painter, 1963: 301. Type-locality: Mexico, Veracruz, Tulome. Distr. — Mexico (Veracruz).
- BICORNIS Painter, in Painter & Painter, 1963: 302. Type-locality: Mexico, Jalisco, 4 mi. w. Lagos de Moreno. Distr. — Mexico (Jalisco, Michoacán, Nayarit, Oaxaca, Tamaulipas, Veracruz).
- BRASILIENSIS Macquart, 1847: 71 (1847: 55). Type-locality: "Brazil". Refs. — Carrera & d'Andretta, 1950: 303 (as syn. of *nitidus* Wiedemann); Painter & Painter, 1974: 71 (as a distinct species).
- CERDO Osten Sacken, 1887: 158. Type-locality: Panama, Volcán de Chiriquí. Distr. — Panama. Ref. — Painter & Painter, 1963: 305.
- COLUMBIANUS (Karsch), 1880: 657 (*Cephenus*). Type-locality: Colombia, Bogotá. Distr. — Panama (Canal Zone), Colombia, Peru, Brazil (Pará), Ecuador. Ref. — Painter & Painter, 1963: 306, 1974: 73.
- CONOPOIDES Künckel d'Herculais, 1905: 147, pl. 4, figs. 1-15. Type-locality: Argentina, Buenos Aires. Distr. — Venezuela, Brazil, Argentina (Buenos Aires, Salta, Misiones), Uruguay, Paraguay. Refs. — Carrera & d'Andretta, 1950: 303 (as syn. of *nitidus* Wiedemann); Painter & Painter, 1974: 73 (as a distinct species).
- CURRANI Carrera & d'Andretta, 1950: 300. Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo). Ref. — Painter & Painter, 1974: 68.
- DIMIDIATUS Curran, 1942: 53. Type-locality: Brazil, Mato Grosso, Chapada (dos Guimarães). Distr. — Brazil (Mato Grosso, Santa Catarina). Ref. — Painter & Painter, 1974: 74.
- DOLOROSUS Williston, 1901: 293. Type-locality: Mexico, Jalisco. Distr. — Mexico (Jalisco, Yucatán). Ref. — Painter & Painter, 1963: 308.
- FAENOIDES Westwood, 1842: 3. Type-locality: "Mexico". Distr. — Mexico (Veracruz).
- funereus* A. Costa, 1865: 152 (as *Sistropus*). Type-locality: "Mexico". Ref. — Painter & Painter, 1963: 310.
- FEMORATUS (Karsch), 1880: 658 (*Cephenus*). Type-locality: Brazil, Minas Gerais, São João del Rei. Distr. — Brazil (Minas Gerais, São Paulo, Paraná). Refs. — Carrera & d'Andretta, 1950: 297 (as syn. of *fumipennis* Westwood); Painter & Painter, 1974: 74 (as a distinct species).
- FUMIPENNIS Westwood, 1842: 3, 4. Type-locality: "Brazil". Distr. — Brazil (Rio de Janeiro to Santa Catarina).
- niger* Walker, 1849: 1154. Type-locality: "Brazil". Refs. — Carrera & d'Andretta, 1950: 297; Painter & Painter, 1974: 77.



- GEJSKESI Curran, 1942: 52. Type-locality: Surinam, Paramaribo, Kabelstation. Distr. — Surinam, Brazil (Minas Gerais, São Paulo, Santa Catarina). Ref. — Painter & Painter, 1974: 80.
- LANEI Carrera & d'Andretta, 1950: 310. Type-locality: Brazil, São Paulo, São Paulo (Santo Amaro). Distr. — Brazil (São Paulo).
- LUGUBRIS Osten Sacken, 1887: 159. Type-locality: "Mexico". Distr. — Mexico. Ref. — Painter & Painter, 1963: 313.
- MARS Curran, 1942: 51. Type-locality: Argentina, San Juan, Pié de Palo. Distr. — Argentina. Ref. — Painter & Painter, 1974: 80.
- NIGRIPES Painter, in Painter & Painter, 1963: 320. Type-locality: Mexico, Morelos, Huajintlán. Distr. — Mexico (Morelos).
- NITIDUS Wiedemann, 1830: 641. Type-locality: "Brazil". Distr. — Brazil (Amapá to Santa Catarina). Ref. — Carrera & d'Andretta, 1950: 303; Painter & Painter, 1974: 81.
- OLDROYDI Carrera & d'Andretta, 1950: 314. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- PALOIDES Painter, in Painter & Painter, 1963: 321. Type-locality: Mexico, Tamaulipas, 13 mi. s. Ciudad Monte. Distr. — Mexico (Chiapas, México, Nuevo León, Oaxaca, San Luis Potosí, Tamaulipas, Veracruz).
- PULCHER Williston, 1901: 294. Type-locality: Mexico, Guerrero. Amula. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1963: 324.
- QUADRI-PUNCTATUS Williston, 1901: 293. Type-locality: Mexico, n. Yucatán. Distr. — Mexico (Yucatán), Brazil (Rio de Janeiro, Minas Gerais, São Paulo). Ref. — Painter & Painter, 1963: 326.
- REPERTUS Carrera & d'Andretta, 1950: 306. Type-locality: Brazil, São Paulo, São Paulo (Santo Amaro). Distr. — Brazil (São Paulo, Santa Catarina).
- ROGERSI Osten Sacken, 1887: 158. Type-locality: Costa Rica, Irazú. Distr. — Costa Rica. Ref. — Painter & Painter, 1963: 328.
- RUFIVENTRIS Osten Sacken, 1887: 159. Type-locality: "Mexico". Distr. — Mexico (Veracruz, Morelos). Ref. — Painter & Painter, 1963: 329.
- SALLEI A. Costa, 1865: 151 (as *Sistropus*). Type-locality: "Mexico". Distr. — Mexico (Veracruz, Puebla, San Luis Potosí). Ref. — Painter & Painter, 1963: 331.
- SEMIALBUS Painter, in Painter & Painter, 1963: 334. Type-locality: Mexico, Nuevo León, San Pedro Itúrbide, ca. 32 km w. Linares. Distr. — Mexico (Nuevo León, San Luis Potosí).
- SIMILIS Williston, 1901: 294. Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1963: 337.
- VICINUS Painter, in Painter & Painter, 1963: 339. Type-locality: Mexico, Veracruz, Fortín de las Flores. Distr. — Mexico (Veracruz).
- WILLISTONI Curran, 1942: 52. Type-locality: Brazil, Mato Grosso, Chapada (dos Guimarães). Distr. — Venezuela, Brazil (Mato Grosso, São Paulo). Ref. — Painter & Painter, 1974: 82.



XANTHINUS Painter, in Painter & Painter, 1963: 342. Type-locality: Guatemala, Retalhuleu, San Sebastian. Distr. — Guatemala.

Genus DOLICHOMYIA Wiedemann

DOLICHOMYIA Wiedemann, 1830: 642. Type-species, *nigra* Wiedemann (mon.).

CHILENSIS (Philippi), 1865: 654 (*Systropus*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago, Valparaiso).

calopas Bigot, 1892: 373 (*Systropus*). Type-locality: "Chile". Ref. — Hall, 1976a: 114.

CONIOCERA Hall, 1976a: 116. Type-locality: Chile, Coquimbo, 10 km e. Fray Jorge National Park. Distr. — Chile (Coquimbo, Curicó, Santiago, Valparaiso).

DETECTA Schiner, 1868: 135. Type-locality: "Chile". Distr. — Chile (Concepción). Ref. — Hall, 1976a: 117.

NIGRA Wiedemann, 1830: 642. Type-locality: Venezuela, La Guaira. Distr. — Venezuela.

STENOPENNIS Hall, 1976a: 18. Type-locality: Chile, Concepción, Salto del Laja. Distr. — Chile (Concepción).

Subfamily TOXOPHORINAE

Genus TOXOPHORA Meigen

TOXOPHORA Meigen, 1803: 270. Type-species, *Asilus maculatus* Rossi (sub. mon., Meigen, 1804: 273).

Eniconeura Macquart, 1840: 110 (1841: 388). Type-species, *fuscipennis* Macquart (orig. des.).

Eniconeura, emend.

Heniconeura, emend.

Toxophora, subg. *Toxomyia* Hull, 1973: 232. Type-species, *maxima* Coquillett (orig. des.).

Refs. — d'Andretta & Carrera, 1950; Painter & Painter, 1974.

The immature stages attack members of the hymenopterous families Vespidae and Sphecidae.

AMICULA Séguy, 1930: 535. Type-locality: Argentina, Chaco de Santiago del Estero, environs of Icaño. Distr. — Argentina (Santiago del Estero). Refs. — d'Andretta & Carrera, 1950: 372; Painter & Painter, 1974: 83.

AUREA Macquart, 1848: 197 (1848: 37), pl. 3, fig. 14. Type-locality: Brazil, Rio Negro. Distr. — Guyana, French Guiana, Brazil (Rio Negro).

aurifera Rondani, 1848: 98. Type-locality: "Brazil".

dryitis Séguy, 1930: 532. Type-locality: French Guiana.

verona Curran, 1934b: 363. Type-locality: Guyana, Bartica, Kartabo. Refs. — d'Andretta & Carrera, 1950: 357; Painter & Painter, 1974: 84.

- CUPREA (Fabricius), 1787: 366 (*Bombylius*). Type-locality: "Brazil". Distr. — Mexico (Morelos, Nayarit), Panama (Canal Zone), Colombia (Meta), Brazil (Pará, Mato Grosso, Goiás). Refs. — d'Andretta & Carrera, 1950: 354; Painter & Painter, 1974: 87.
- LEPIDOCERA (d'Andretta & Carrera), 1950: 364 (*Eniconeura*). Type-locality: Brazil, São Paulo, Porto Cabral, Rio Paraná. Distr. — Brazil (Pará, São Paulo). Ref. — Lenko, 1970 (biol.).
- LEUCON Séguy, 1930: 533. Type-locality: Argentina, Chaco de Santiago del Estero, margins of Río Salado. Distr. — Bolivia, Paraguay, Argentina (Santiago del Estero). Refs. — d'Andretta & Carrera, 1950: 370; Painter & Painter, 1974: 88.
- MAXIMA Coquillett, 1886c: 222. Type-locality: U.S.A., California. Distr. — U.S.A. (sw. states), Mexico (Gulf of California).
- PALLIDA d'Andretta & Carrera, 1950: 360. Type-locality: Brazil, Ceará, Quixadá. Distr. — Brazil (Ceará).
- PELLUCIDA Coquillett, 1886c: 222. Type-locality: U.S.A., California. Distr. — U.S.A. (sw. states), Mexico (Baja California).
- TRAVASSOSI (d'Andretta & Carrera), 1950: 369 (*Eniconeura*). Type-locality: Brazil, São Paulo, Porto Cabral, Rio Paraná. Distr. — Brazil (São Paulo).
- TRISTIS (Séguy), 1930: 536 (*Eniconeura*). Type-locality: Cuba, Havana. Distr. — Cuba. Ref. — Painter & Painter, 1974: 89.
- VARIPENNIS Williston, 1901: 294. Type-locality: Mexico, Guerrero, Amula. Distr. — Mexico (Guerrero, Veracruz, Colima, Morelos), Guatemala.
- VIRGATA Osten Sacken, 1877: 266. Type-locality: U.S.A., Texas. Distr. — U.S.A. (sw. states), Mexico (Baja California, Sonora).
- ZUKANI (d'Andretta & Carrera), 1950: 366 (*Eniconeura*). Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil (Rio de Janeiro).

Genus LEPIDOPHORA Westwood

- LEPIDOPHORA Westwood, 1835: 447. Type-species, *Ploas aegeriiformis* Gray (mon.) = *lepidocera* (Wiedemann). Ref. — Paramonov, 1949.

Specimens of this genus have been reared from nests of Vespidae and Sphecidae.

- CULICIFORMIS Walker, 1850: 97. Type-locality: Brazil, Pará. Distr. — Brazil (Pará). Ref. — Painter & Painter, 1974: 90.
- CUNEATA Painter, 1939: 43. Type-locality: Paraguay, Barcequillo. Distr. — Trinidad, Bolivia, Paraguay. Ref. — Paramonov, 1949: 637.
- SECUTOR Walker, 1857: 145. Type-locality: Brazil, Amazon. Distr. — Guyana, Peru (Loreto), Brazil (Amazonas). Ref. — Painter & Painter, 1974: 92.
- VETUSTA Walker, 1857: 145. Type-locality: Mexico, Veracruz. Distr. — U.S.A. (Texas), Mexico (Sonora, Sinaloa, Veracruz, Guerrero, Nayarit, Colima, Chiapas, Oaxaca), Guatemala, Costa Rica, Nicaragua. Ref. — Painter & Painter, 1962: 52.



Genus CYRTOMYA Bigot

Cyrtophorus Bigot, 1857b: 292 (preocc. Le Conte, 1850). Type-species, *pictipennis* Bigot (mon.).

CYRTOMYA Bigot, 1892: 340 (nom. nov. for *Cyrtophorus* Bigot). Type-species, *Cyrtophorus pictipennis* Bigot (aut.). Ref. — Hall, 1976a: 120.

CHILENSIS Paramonov, 1931a: 41. Type-locality: Chile, Valparaiso, Limache. Distr. — Chile (Valparaiso, Arauco, Coquimbo, Curicó, Malleco, Ñuble, O'Higgins, Santiago), Argentina (Río Negro). Ref. — Hall, 1976a: 120.

PICTIPENNIS (Bigot), 1857b: 292 (*Cyrtophorus*). Type-locality: "Chile". Distr. — Chile (Santiago, Valparaiso, Coquimbo). Refs. — Painter & Painter, 1974: 94; Hall, 1976a: 123.

Subfamily ECLIMINAE

Genus THEVENEMYIA Bigot

THEVENEMYIA Bigot, 1875: clxxiv. Type-species, *californica* Bigot (mon.). *Thevenetimyia* Bigot, 1892: 325, emend.

Epibates Osten Sacken, 1877: 268. Type-species, *funestus* Osten Sacken (Coquillett, 1910: 538).

Eclimus, authors, not Loew.
Ref. — Hall, 1969.

AURIPILA (Osten Sacken), 1887: 161 (*Eclimus*). Type-locality: Mexico, Durango, Ciudad Durango. Distr. — U.S.A. (Texas), Mexico (Durango, Sinaloa). Ref. — Hall, 1969: 24.

CULICIFORMIS (Hull), 1965: 95 (*Eclimus*). Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona), Mexico (Sonora). Ref. — Hall, 1969: 31.

FASCIPENNIS (Williston), 1901: 295 (*Eclimus*). Type-locality: Mexico, Guerrero, Tepetlapa. Distr. — Mexico (Guerrero, Chilpancingo, San Luis Potosí, Morelos, Oaxaca). Ref. — Hall, 1969: 32.

HALLI (Hull), 1965: 96 (*Eclimus*). Type-locality: Mexico, Morelos, Tepetlán. Distr. — Mexico (Guerrero, Morelos, Sinaloa). Ref. — Hall, 1969: 37.

LUCTIFERA (Osten Sacken), 1877: 271 (*Epibates*). Type-locality: Canada, Vancouver Island. Distr. — Canada (British Columbia), U.S.A. (w. states), Mexico (Nuevo León).

auripila Bigot, 1892: 372 (*Amictus*; preocc. Osten Sacken, 1887). Type-locality: U.S.A., Washington Territory.

aurata Williston, 1893: 65 (*Eclimus*). Type-locality: U.S.A., Washington. Ref. — Hall, 1969: 47.

MACULIPENNIS (Hull), 1965: 96 (*Eclimus*). Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona), Mexico (Baja California). Ref. — Hall, 1969: 50.



- MARGINATA (Osten Sacken), 1877: 272 (*Epibates*). Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Baja California).
- melanosus* Williston, 1893: 65 (*Eclimius*). Type-locality: U.S.A., California.
- yosemite* Cresson, 1919: 183 (*Eclimius*). Type-locality: U.S.A., California. Ref. — Hall, 1969: 55.
- PAINTERORUM Hall, 1969: 67. Type-locality: Mexico, Guerrero, 5 mi. s. Iguala. Distr. — Mexico (Guerrero).
- QUADRATA (Williston), 1901: 295 (*Eclimius*). Type-locality: Mexico, Guerrero, Rincón. Distr. — Mexico (Oaxaca, Guerrero, Morelos, Michoacán). Ref. — Hall, 1969: 69.

Subfamily CYLLENIINAE

Genus CYLLENIA Latreille

- CYLLENIA Latreille, 1802: 429. Type-species, *maculata* Latreille (mon.). = *rustica* (Rossi).
- Sphenoidoptera* Williston, 1901: 295. Type-species, *varipennis* Williston (mon.). Refs. — Painter & Painter, 1962; Hall, 1969.
- VARIPENNIS (Williston), 1901: 296 (*Sphenoidoptera*). Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — Mexico (Guerrero). Refs. — Painter & Painter, 1962: 52; Hall, 1969: 3.

Genus PARACOSMUS Osten Sacken

- Allocotus* Loew, 1872: 82 (Cent. 10, n° 48) (preocc. Mayr, 1864). Type-species, *edwardsi* Loew (mon.).
- PARACOSMUS Osten Sacken, 1877: 262 (nom. nov. for *Allocotus* Loew). Type-species, *Allocotus edwardsi* Loew (aut.). Ref. — Melander, 1950b.
- MORRISONI Osten Sacken, 1887: 155. Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (sw. states), Mexico (Sonora).

Genus METACOSMUS Coquillett

- METACOSMUS Coquillett, 1891b: 220. Type-species, *exilis* Coquillett (mon.). Refs. — Melander, 1950b; Hall, 1976a.
- CHILENSIS Hall, 1976a: 125. Type-locality: Chile, Santiago, Quebrada de la Plata. Distr. — Chile (Santiago).
- EXILIS Coquillett, 1891b: 221. Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California).
- SCHLINGERI Hall, 1976a: 126. Type-locality: Chile, Ñuble, Las Trancas Rd., nr. Termas de Chillán. Distr. — Chile (Ñuble).



Genus AMPHICOSMUS Coquillett

- AMPHICOSMUS Coquillett, 1891b: 219. Type-species, *elegans* Coquillett (mon.).
CINCTURUS Williston, 1901: 296. Type-locality: Mexico, Guerrero, Venta de Zopilote. Distr. — U.S.A. (California, Arizona), Mexico (Guerrero). Ref. — Painter & Painter, 1962: 57.

BOMBYLIIDAE TOMOPHTHALMAE

Subfamily LOMATIINAE

Genus OGCODOCERA Macquart

- OGCODOCERA Macquart, 1840: 83 (1841: 361). Type-species, *dimidiata* Macquart (orig. des.) = *leucoprocta* (Wiedemann). Ref. — Paramonov, 1930 (key).
Oncodocera, emend.
Anisotamia, authors, not Macquart.
ANALIS Williston, 1901: 283 (as *Oncodocera*). Type-locality: Mexico, Guerrero, Amula. Distr. — U.S.A. (Arizona), Mexico (Guerrero, Morelos, Oaxaca). Ref. — Painter & Painter, 1962: 59.
LEUCOPROCTA (Wiedemann), 1828: 330 (*Mulio*). Type-locality: Unknown. Distr. — Canada to Mexico. Ref. — Painter & Painter, 1962: 63.
terminalis Wiedemann, 1830: 639 (*Anthrax*). Type-locality: U.S.A., Georgia.
dimidiata Macquart, 1840: 84 (1841: 362), pl. 15, fig. 1. Type-locality: "North America".
leucotelus Walker, 1852: 175 (*Anthrax*). Type-locality: Unknown.

Genus BRYODEMINA Hull

- Bryodema* Hull, 1966: 227 (preocc. Fieber, 1853). Type-species, *Anthrax validus* Wiedemann (orig. des.).
BRYODEMINA Hull, 1973: 314 (nom. nov. for *Bryodema* Hull). Type-species, *Anthrax validus* Wiedemann (aut.).
Oncodocera, authors, not Macquart.
Anisotamia, authors (part), not Macquart.
FASCIATA (Williston), 1901: 284 (*Anisotamia*). Type-locality: Mexico, Jalisco, San Blas. Distr. — Mexico (Jalisco, Colima). Ref. — Painter & Painter, 1962: 62.
VALIDA (Wiedemann), 1830: 636 (*Anthrax*). Type-locality: "Mexico". Distr. — Mexico (Guerrero, Morelos, Veracruz, Michoacán, Jalisco, San Luis Potosí, Sonora, Chiapas, Oaxaca, México), Nicaragua.
eximia Macquart, 1850: 419 (1850: 115), pl. 11, fig. 2 (*Anisotamia*). Type-locality: "Mexico". Ref. — Painter & Painter, 1962: 64.



Genus BRACHYDEMIA Hull, n. stat.

Bryodemina, subg. BRACHYDEMIA Hull, 1973: 306 (key), 314. Type-species, *latisoma* Hull (orig. des.).

HEDICKEI (Paramonov), 1930: 417 (*Ogcodocera*). Type-locality: Bolivia, Santa Cruz, Buena Vista. Distr. — Brazil, Bolivia, Argentina. N. comb.

LATISOMA (Hull), 1973: 314, 316 (*Bryodemina*; name applied to Fig. 82 in Williston's 1908 Manual). Type-locality: unknown (but probably Brazil, Mato Grosso, Chapada). N. comb.

Genus APHOEBANTUS Loew

APHOEBANTUS Loew, 1872: 77 (Cent. 10, n° 39). Type-species, *cervinus* Loew (mon.).

Triodites Osten Sacken, 1877: 245 (preocc. Gistel, 1848). Type-species, *mus* Osten Sacken (mon.).

Aphoebantus, subg. *Triodina* Hull, 1973: 322. Type-species, *Triodites mus* Osten Sacken (orig. des.).

Ref. — Melander, 1950a.

Some species of *Aphoebantus* have been reared from grasshopper egg pods belonging to the Acrididae and Locustidae. Others have been reared, mainly as hyperparasites, from Tiphidae and Sphecidae. The former were parasitizing larvae of Scarabaeidae (Merle, 1975).

ARGENTIFRONS Cole, 1923: 310. Type-locality: Mexico, Gulf of California, Espíritu Santo Island. Distr. — Mexico (Gulf of California).

BISULCUS Osten Sacken, 1887: 148. Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona), Mexico (Sonora). Ref. — Melander, 1950a: 23.

CARBONARIUS Osten Sacken, 1887: 149. Type-locality: Mexico, n. Sonora. Distr. — Mexico (Sonora). Ref. — Painter & Painter, 1962: 64.

CERVINUS Loew, 1872: 76 (Cent. 10, n° 39). Type-locality: U.S.A., Texas. Distr. — U.S.A. (sw. states), Mexico (Gulf of California).

CHILENSIS Hall, 1976a: 129. Type-locality: Chile, Tarapacá, 3 km e. Zapahuiré. Distr. — Chile (Tarapacá).

CONURUS Osten Sacken, 1887: 148. Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Guerrero). Ref. — Melander, 1950a: 26; Painter & Painter, 1962: 64.

CYCLOPS Osten Sacken, 1887: 146. Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona), Mexico (Sonora). Ref. — Painter & Painter, 1962: 65.

DENTEI d'Andretta & Carrera, 1952: 296. Type-locality: Brazil, Acre, Rio Iquiri, km 49 of Road Rio Branco-Rio Abunã. Distr. — Brazil (Acre).

DESERTUS Coquillett, 1891c: 13. Type-locality: U.S.A., California. Distr. — U.S.A. (California, Arizona), Mexico (Gulf of California). Ref. — Melander, 1950a: 27.



- MARGINATUS Cole, 1923: 310. Type-locality: Mexico, Gulf of California, Tiburón Island. Distr. — U.S.A. (Texas, Arizona, California), Mexico (Gulf of California). Ref. — Melander, 1950a: 34.
- MELANOASTER (Bigot), 1892: 358 (*Anthrax*). Type-locality: "Chile". Distr. — Chile (Aconcagua, Atacama, Coquimbo, Curicó, Malleco, Maule, Santiago, Valparaíso). Ref. — Hall, 1976a: 129.
- MICROPYGUS Melander, 1950a: 34. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona), Mexico (Sonora).
- MUS (Osten Sacken), 1877: 246 (*Triodites*). Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Sonora). Ref. — Melander, 1950a: 36.
- OBTECTUS Melander, 1950a: 36. Type-locality: Mexico, Gulf of California, Pt. Penasco. Distr. — U.S.A. (California, Arizona), Mexico (Gulf of California).
- PAVIDUS Coquillett, 1886a: 87. Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Gulf of California).
- PELLUCIDUS (Coquillett), 1892b: 10 (*Epacmus*). Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California). Ref. — Melander, 1950a: 38.
- PEODES Osten Sacken, 1887: 149. Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Oregon, California, Arizona), Mexico (Sonora). Refs. — Melander, 1950a: 38; Painter & Painter, 1962: 67.
- TARAPACENSIS Hall, 1976a: 131. Type-locality: Chile, Tarapacá, 3 km e. Zapahuiré. Distr. — Chile (Tarapacá).
- TARDUS Coquillett, 1891c: 10. Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Gulf of California).
- VULPECULUS Coquillett, 1894: 107. Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Gulf of California). Ref. — Melander, 1950a: 45.

Genus DESMATONEURA Williston

- DESMATONEURA Williston, 1895: 267. Type-species, *argentifrons* Williston (mon.).
- ARGENTIFRONS Williston, 1895: 267. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (w. states), Mexico (Sonora).

Genus EPACMUS Osten Sacken

- Leptochilus* Loew, 1872: 78 (Cent. 10, n° 40) (preocc. Saussure, 1852). Type-species, *modestus* Loew (mon.).
- EPACMUS Osten Sacken, 1887: 142 (nom. nov. for *Leptochilus* Loew). Type-species, *Leptochilus modestus* Loew (aut.). Ref. — Melander, 1950a.
- MODESTUS (Loew), 1872: 77 (Cent. 10, n° 40) (*Leptochilus*). Type-locality: U.S.A., Texas. Distr. — U.S.A. (Texas, New Mexico), Mexico (Sonora, Guerrero).



Genus LYOPHLEBA Rondani

- LYOPHLEBA Rondani, 1863: 54 (key), 55. Type-species, *lugubris* Rondani (orig. des.).
- Tritoneura* Schiner, 1867: 312 (1868: 133, again as gen. n.). Type-species, *Comptosia lugubris* Philippi (orig. des.) = *lugubris* Rondani.
- Lyophleba*, subg. *Compsella* Hull, 1973: 354. Type-species, *Macrocondyla transandina* Edwards (orig. des.).
- Comptosia*, authors, not Macquart.
- Macrocondyla*, authors (part), not Rondani.
- Ligyra*, authors, not Newman.

Subgenus LYOPHLEBA Rondani

- ALEOPILOSA Hall, 1976a: 136. Type-locality: Chile, Aisén, Chile Chico. Distr. — Chile (Aisén, Coquimbo).
- AMEGISTON Hall, 1973: 154. Type-locality: Argentina, Santa Cruz, 2.4 km s. Fitz Roy. Distr. — Argentina (Santa Cruz, Chubut).
- ARGENTINAE Paramonov, 1940: 31. Type-locality: Argentina, Córdoba, Capilla del Monte. Distr. — Argentina, Córdoba.
- BIFASCIATA (Macquart), 1850: 418 (1850: 114) (*Comptosia*). Type-locality: "Chile". Distr. — Chile (Coquimbo, Valparaíso).
- parabifasciata* Paramonov, 1940: 30. Type-locality: "Chile". Ref. — Hall, 1967a: 137.
- BOLIVIANA Paramonov, 1948: 118. Type-locality: Bolivia, Oruro. Distr. — Bolivia.
- BRACHYGLOSSA Hall, 1976a: 140. Type-locality: Chile, Coquimbo, Guayanay. Distr. — Chile (Coquimbo, Aisén, Malleco, Magallanes).
- CHORISTA Hall, 1973: 149. Type-locality: Argentina, Mendoza, Mendoza. Distr. — Argentina (Mendoza).
- CONSOBRINA (Philippi), 1865: 676 (*Comptosia*). Type-locality: Chile, Santiago, Aconcagua and Colchagua. Distr. — Chile (Santiago, Colchagua, Atacama, Antofagasta, Valparaíso, Aconcagua, Coquimbo).
- blanchardi* Paramonov, 1931a: 30. Type-locality: Chile, Coquimbo.
- minuta* Paramonov, 1931a: 38. Type-locality: Chile, Antofagasta, Taltal. Ref. — Hall, 1976a: 141.
- FLAVOPILOSA Hall, 1976a: 152. Type-locality: Chile, Tarapacá, Latarana. Distr. — Chile (Tarapacá, Antofagasta).
- HYPOXANTHA Hall, 1973: 152. Type-locality: Argentina, Río Negro, Río Colorado. Distr. — Argentina (Río Negro).
- KOSLOWSKYI (Edwards), 1930: 171 (*Ligyra*). Type-locality: Argentina, Chubut, Lago Blanco. Distr. — Argentina (Chubut). Ref. — Hall, 1976a: 143.



- LANDBECKI (Philippi), 1865: 677 (*Comptosia*). Type-locality: Chile, Colchagua. Distr. — Chile (Colchagua, Valparaíso, Aconcagua, Concepción, Curicó, Ñuble, Santiago).
- chilensis* Paramonov, 1931a: 34. Type-locality: Chile, Valparaíso, Olmue.
- edwardsi* Paramonov, 1948: 134. Type-locality: Chile, Cordillera. Ref. — Hall, 1976a: 145.
- LUGUBRIS Rondani, 1863: 55. Type-locality: "Chile". Distr. — Chile (Coquimbo, Valparaíso, Santiago, Aconcagua, Atacama, Malleco).
- lugubris* Philippi, 1865: 678 (*Comptosia*). Type-locality: Chile, Santiago, Illapel. Ref. — Hall, 1976a: 153.
- MELANOTHRIX Hall, 1973: 153. Type-locality: Argentina, Chubut, 19.5 km e. Shaman. Distr. — Argentina (Chubut).
- PALLIPENNIS Paramonov, 1940: 34. Type-locality: "Chile". Distr. — Chile. Ref. — Hall, 1976a: 146.
- PENAI Hall, 1976a: 154. Type-locality: Chile, Atacama, 40 km s. Caldera. Distr. — Chile (Atacama).
- PERIDEMA Hall, 1973: 151. Type-locality: Argentina, Neuquén, Zapala. Distr. — Argentina (Neuquén).
- PHILIPPI Paramonov, 1931a: 30. Type-locality: Chile, Coquimbo. Distr. — Chile (Atacama, Coquimbo, Colchagua, Santiago). Ref. — Hall, 1976a: 147.
- SETOSA Paramonov, 1940: 32. Type-locality: "Chile". Distr. — Chile (Aisén, Coquimbo), Argentina (Santa Cruz). Ref. — Hall, 1976a: 149.
- TRANSANDINA (Edwards), 1934: 105 (*Macrocondyla*). Type-locality: Argentina, Santiago del Estero. Distr. — Argentina (Santiago del Estero, Chaco, Córdoba, Mendoza), Uruguay (Canelones). Ref. — Paramonov, 1948: 144.

Subgenus MACROCONDYLA Rondani

- MACROCONDYLA Rondani, 1863: 54 (key), 55 (as genus). Type-species, *pictinervis* Rondani (orig. des.).
- BIGOTI (Edwards), 1934: 109 (*Macrocondyla*). Type-locality: "Chile". Distr. — Chile (Linares, Curicó). Ref. — Hall, 1976a: 158.
- CANESCENS (Philippi), 1865: 678 (*Comptosia*). Type-locality: Chile, Santiago. Distr. — Chile (Coquimbo, Curicó, Valparaíso). Ref. — Hall, 1976a: 159.
- FLAVINERVIS (Macquart), 1846: 237 (1846: 109), pl. 9, fig. 10 (*Exoprosopa*). Type-locality: "Colombia". Distr. — Colombia, Argentina (Tucumán). Ref. — Painter & Painter, 1974: 101.
- HAYWARDI (Edwards), 1934: 106 (*Macrocondyla*). Type-locality: Argentina, La Rioja, Patquia. Distr. — Argentina (Rioja). Ref. — Paramonov, 1948: 143.
- HYALINIPENNIS Hall, 1976a: 161. Type-locality: Chile, Coquimbo, Guayanay. Distr. — Chile (Coquimbo, Aisén).



- INFUMATA (Philippi), 1865: 678 (*Comptosia*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago, Malleco, Arauco, Bio Bio, Curicó, Linares, Nuble). Ref. — Hall, 1976a: 162.
- MANCA (Edwards), 1934: 107 (*Macrocondyla*). Type-locality: Unknown. Distr. — Chile. Ref. — Hall, 1976a: 156.
- MONTANA (Philippi), 1865: 677 (*Comptosia*). Type-locality: Chile, Santiago and Aconcagua. Distr. — Chile (Santiago, Aconcagua, Valparaiso). Ref. — Hall, 1976a: 158.
- PICTINERVIS (Rondani), 1863: 56 (*Macrocondyla*). Type-locality: "Chile". Distr. — Chile (Atacama, Coquimbo, Santiago). Ref. — Painter & Painter, 1974: 106.
- vulgaris* Philippi, 1865: 677 (*Comptosia*). Type-locality: Chile, Santiago. Ref. — Hall, 1976a: 164.

Genus YLASOIA Speiser

- YLASOIA Speiser, 1920: 213. Type-species, *Anthrax pegasus* Wiedemann (orig. des.).
- ABBREVIATA (Wiedemann), 1830: 637 (*Anthrax*). Type-locality: "Brazil". Distr. — Brazil (São Paulo), Paraguay. Ref. — Painter & Painter, 1974: 109.
- CALOPTERA (Macquart), 1834: 412 (*Lomatia*). Type-locality: "Brazil". Ref. — Painter & Painter, 1974: 110.
- PEGASUS (Wiedemann), 1828: 298 (*Anthrax*). Type-locality: "Brazil". Distr. — Brazil, Argentina (Tucumán, Jujuy). Ref. — Painter & Painter, 1974: 112.

Genus ULOSOMETA Hull

- ULOSOMETA Hull, 1973: 359. Type-species, *falcata* Hull (orig. des.).
- FALCATA Hull, 1973: 360. Type-locality: Argentina, Tucumán. Distr. — Argentina (Tucumán).

Subfamily ANTHRACINAE

Genus ANTHRAX Scopoli

- ANTHRAX Scopoli, 1763: 358. Type-species, *Musca morio* Linnaeus (mon., misident.) = *anthrax* (Schrank).
- Spogostylum* Macquart, 1840: 53 (1841: 331). Type-species, *mystaceum* Macquart (mon.).
- Spongostylum*, emend.
- Argyromoeba* Schiner, 1860: 51. Type-species, *Anthrax tripunctata* Wiedemann (Coquillett, 1910: 510).
- Argyramoeba*, emend.
- Ref. — Marston, 1963, 1970, 1971.



A number of species of *Anthrax* have been reared from no less than 10 families of Hymenoptera, predominantly Sphecidae, Megachilidae, and Vespidae. Other species have been reared from such diverse hosts as Acrididae, Myrmeleonidae, Cicindelidae, and Noctuidae. For the most part, the species may be considered as primary parasites; a few have, however, been recorded as hyperparasites on Meloidae, Tachinidae, and Chrysidae (Merle, 1975).

ALBOFASCIATUS ALBOFASCIATUS Macquart, 1840: 67 (1841: 345) (nom. nov. for *analis* Macquart). Type-locality: U.S.A., Georgia. Distr. — Canada (e. provinces), U.S.A. (e. and s. states), Mexico (Morelos, Oaxaca, San Luis Potosí, Veracruz), Guatemala, Honduras.

analis Macquart, 1834: 407 (preocc. Say, 1823). Type-locality: U.S.A., Georgia.

antecedens Walker, 1852: 193. Type-locality: "U.S.A."

obsoleta Fabricius of Coquillett, 1894: 95 (*Argyro-moeba*), misident. Ref. — Marston, 1963: 38.

ANALIS Say, 1823: 45 (1859: 60). Type-locality: U.S.A., Georgia. Distr. — Widespread throughout Canada, U.S.A., and Mexico to Honduras.

georgica Macquart, 1834: 406. Type-locality: U.S.A., Georgia.

gideon Fabricius of Coquillett, 1894: 95 (*Argyro-moeba*), misident.

occidentalis Johnson, 1913: 56 (*Spongostylum*). Type-locality: U.S.A., Colorado, Denver; and Washington, Seattle. Ref. — Marston, 1970: 88.

ANGULATUS Brèthes, 1909: 89. Type-locality: Argentina, Mendoza, Puente del Inca. Distr. — Argentina (Mendoza).

ANGUSTIPENNIS Macquart, 1840: 64 (1841: 342), pl. 21, fig. 9. Type-locality: French Guiana, sources of Oyapock River. Distr. — Tropical forests of northern South America, and Serra do Mar in eastern Brazil.

binotatus Macquart, 1846: 241 (1846: 131). Type-locality: "Colombia" (as Nouvelle Grenade). Ref. — Marston, 1970: 65.

ARGYROPYGUS Wiedemann, 1828: 313. Type-locality: unknown. Distr. — U.S.A. (e. states), Mexico (Veracruz).

contigua Loew, 1869: 30 (Cent. 8, n° 50) (*Argyro-moeba*). Type-locality: U.S.A., Virginia. Ref. — Marston, 1970: 68.

ssp. ALBOSPARSUS (Bigot), 1892: 348 (*Argyro-moeba*). Type-locality: "North America, Colorado", interpreted by Marston (1970: 74) to be Tierra Colorado, nr. Acapulco, Mexico. Distr. — Mexico (Guerrero, Morelos, Oaxaca), Guatemala. Ref. — Marston, 1970: 72.

ATRIPLEX Marston, 1970: 31. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (sw. states), Mexico (Baja California, Durango, Sonora, Tamaulipas).

AUSTRINUS Marston, 1970: 80. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Rio Grande do Sul).

BALIOPTEROS Marston, 1970: 105. Type-locality: Brazil, Rio Grande do Sul, Bagé. Distr. — Brazil (São Paulo, Rio Grande do Sul).

- GELLULUS** Philippi, 1865: 675. Type-locality: "Chile". Distr. — Chile (Valparaiso, Santiago, Concepción).
- inappendiculatum* Bigot, 1892: 351 (*Spogostylum*). Type-locality: "Chile". Ref. — Marston, 1970: 102; Hall, 1976a: 168.
- CAATINGENSIS** Marston, 1970: 106. Type-locality: Brazil, Rio Grande do Norte, Mossoró. Distr. — Brazil (Rio Grande do Norte).
- CATHETODAITHMOS** Marston, 1970: 49. Type-locality: Mexico, Colima, 3 mi. e. Colima. Distr. — Mexico (Colima), Panama, Colombia, Peru, Brazil (Amazonas, Pará).
- CEPHUS** Fabricius, 1805: 124. Type-locality: "South America". Distr. — Panama, Costa Rica, Brazil (Amazonas, Mato Grosso, Goiás, São Paulo). Ref. — Marston, 1970: 57.
- CINTALAPA** Cole, 1957: 200. Type-locality: Mexico, Chiapas, Francia, 8 mi. ne. Cintalapa. Distr. — U.S.A. (w. states), Mexico (Sonora to Chiapas and Yucatán), Guatemala, Nicaragua, Costa Rica, Venezuela. Ref. — Marston, 1970: 14.
- CLINOPICTUS** Marston, 1970: 84. Type-locality: Brazil, São Paulo, Onda Verde (Faz. São João). Distr. — Brazil (São Paulo, Paraná), Argentina (Chaco).
- CORDILLERENSIS** Marston, 1970: 21. Type-locality: Chile, Linares, Las Cruces, Cord. Parral. Distr. — Chile (Bío Bío, Concepción, Coquimbo, Linares, Malleco. Maule, Valparaiso, Curicó, Ñuble, Santiago, O'Higgins), Argentina (Rio Negro).
- COSTARICENSIS** Marston, 1970: 63. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica.
- DELICATULUS** Walker, 1849: 266. Type-locality: "Jamaica". Distr. — Jamaica, Dominican Republic. Ref. — Marston, 1970: 76.
- DELIA** (Loew), 1869: 28 (Cent. 8, n° 45) (*Argyromoeba*). Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California). Ref. — Marston, 1970: 115.
- FUNEBRIS** Macquart, 1840: 66 (1841: 344), pl. 21, fig. 10. Type-locality: Dominican Republic. Distr. — Bahamas Islands (Turks, Caicos), Dominican Republic, Haiti. Ref. — Marston, 1970: 91.
- GIDEON** Fabricius, 1805: 124. Type-locality: "South America". Distr. — Mexico (Chihuahua, Veracruz, Guerrero), Guatemala, Puerto Rico, Guyana, French Guiana, Surinam, Peru, Venezuela, Brazil, Paraguay.
- acroleucus* Wiedemann, 1828: 312. Type-locality: "Brazil". Ref. — Marston, 1970: 85.
- propinqua* Schiner, 1868: 123 (*Argyromoeba*). Type-locality: "South America" (Venezuela). Ref. — Marston, 1970: 88 (as "form").
- HYALACRUS** Wiedemann, 1828: 315. Type-locality: "Brazil". Distr. — Panama, Brazil (Amazonas, Pará, São Paulo, Santa Catarina), Peru (Huánuco). Ref. — Marston, 1970: 55.



- HYLAIOS* Marston, 1970: 50. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil (Mato Grosso, Minas Gerais, Rio de Janeiro, São Paulo, Santa Catarina).
- INAQUOSUS* Marston, 1970: 93. Type-locality: Brazil, Rio Grande do Norte, Mossoró. Distr. — Brazil (Rio Grande do Norte).
- INNUBILIPENNIS* Marston, 1970: 74. Type-locality: Mexico, Guerrero, 25 mi. s. Iguala. Distr. — Mexico (Guerrero).
- INORDINATUS* Rondani, 1863: 64. Type-locality: "Chile". Distr. — Chile (Arauco, Aisén, Concepción, Coquimbo, Linares, Malleco, Maule, Ñuble, Santiago, Talca, Valparaíso), Argentina.
- vicinus* Blanchard, 1852: 381 (preocc. Macquart, 1846). Type-locality: "Chile".
- poecilophora* Schiner, 1868: 121 (*Argyromoeba*). Type-locality: "Chile". Ref. — Marston, 1970: 22.
- INSULANUS* Marston, 1970: 26. Type-locality: Bahamas, South Bimini Island. Distr. — Bahamas, Puerto Rico, Haiti.
- IRRORATUS* *IRRORATUS* Say, 1823: 46 (1859: 61). Type-locality: U.S.A., Rocky Mountains. Distr. — Canada, U.S.A., Mexico, Guatemala, Honduras. Ref. — Marston, 1970: 10.
- LATIBASIS* Marston, 1970: 99. Type-locality: Peru, Lima, Matucana. Distr. — Peru (Arequipa, Lima).
- LIMATULUS* *ARTEMESIA* Marston, 1963: 21. Type-locality: U.S.A., Colorado. Distr. — U.S.A. (midw. and w. states), Mexico (Chihuahua, D. F., Zacatecas, Tamaulipas).
- LUCTUOSUS* Macquart, 1840: 70 (1841: 348), pl. 21, fig. 4. Type-locality: unknown. Distr. — Mexico, Costa Rica, Panama, French Guiana, Colombia, Brazil. Ref. — Marston, 1970: 47.
- MACQUARTI* d'Andretta & Carrera, 1952: 296 (nom. nov. for *leucopyga* Macquart, 1855). Type-locality: "South America". Distr. — Venezuela, Surinam, French Guiana, Peru, Bolivia, Paraguay, Brazil.
- leucopyga* Macquart, 1855: 96 (1855: 76), pl. 3, fig. 13 (preocc. Macquart, 1840). Type-locality: "South America". Ref. — Marston, 1970: 77.
- MENDOZANA* Brèthes, 1909: 90. Type-locality: Argentina, Mendoza, Higher Valley of Tupungato. Distr. — Argentina (Mendoza).
- MIDAS* Fabricius, 1805: 124. Type-locality: "South America". Distr. — Mexico (Chiapas, Yucatán), Guyana, Brazil (throughout).
- guianicus* Curran, 1934b: 362. Type-locality: Guyana, Kartabo.
- mexicanus* Cole, 1957: 202. Type-locality: Mexico, Chiapas. Ref. — Marston, 1970: 53.
- MINIMACULATUS* Oldroyd, 1937: 83. Type-locality: Argentina, Rioja, Patquia. Distr. — Argentina (Rioja). Ref. — Marston, 1970: 104.
- MYSTACEUS* (Macquart), 1840: 53 (1841: 331) (*Spogostylum*). Type-locality: "Brazil or Chile". Distr. — Chile (Santiago, Aconcagua, Coquimbo, Atacama, Ñuble, Valparaíso), Argentina.

- duodecimpunctatus* Philippi, 1865: 670. Type-locality: Chile, Santiago.
Ref. — Marston, 1970: 107.
- OEDIPUS Fabricius, 1805: 123. Type-locality: "West Indies". Distr. — U.S.A. (Texas), Mexico, Central America, West Indies, Venezuela, Brazil, Chile.
- punctata* Macquart, 1850: 412 (1850: 108), pl. 10, fig. 7 (*Exoprosopa*).
Type-locality: "South America".
- punctum* Walker, 1850: 253. Type-locality: "Brazil".
- aequa* Walker, 1852: 192. Type-locality: "Brazil".
- caloptera* Schiner, 1868: 121 (*Argyromoeba*). Type-locality: "South America" (Venezuela). Ref. — Marston, 1970: 16.
- ssp. AQUILUS Marston, 1970: 18. Type-locality: Brazil, Paraná, Jacarezinho. Distr. — Brazil (Minas Gerais, São Paulo to Rio Grande do Sul), Paraguay, Argentina (Buenos Aires, Misiones).
- PERUVIANUS Marston, 1970: 19. Type-locality: Peru, Lima, Pachacámac. Distr. — Peru (Lima, Arequipa, Huánuco, Lambayeque, Piura).
- PLURICELLUS Williston, 1901: 277. Type-locality: Mexico, Veracruz, Atoyac. Distr. — Mexico (Veracruz, Tamaulipas). Ref. — Marston, 1970: 61.
- PLURINOTUS (Bigot), 1892: 350 (*Argyromoeba*). Type-locality: "Chile". Distr. — Chile (Curicó, Maule, Ñuble, Santiago, Talca, Valparaíso), Argentina (Río Negro). Ref. — Marston, 1970: 110.
- PLUTO NIGRIVENTRIS Marston, 1970: 25. Type-locality: U.S.A., Texas. Distr. — U.S.A. (Texas, Georgia, Florida), Mexico (Guerrero, Morelos, Tamaulipas).
- REPERTUS Walker, 1852: 188. Type-locality: "South America". Distr. — Honduras, Ecuador, Peru, Bolivia, Paraguay, Brazil.
- inexactus* Walker, 1857: 140. Type-locality: Brazil, Amazon Valley. Ref. — Marston, 1970: 81.
- SERIEPUNCTATUS (Osten Sacken), 1887: 103 (*Argyromoeba*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona, New Mexico, Texas), Mexico (Sonora, Puebla, Baja California). Ref. — Marston, 1970: 29.
- SIMSON Fabricius, 1805: 119. Type-locality: "South America". Distr. — Mexico (Guerrero, San Luis Potosí, Tamaulipas), Central America, Venezuela. Ref. — Marston, 1970: 119.
- ssp. HABROSUS Marston, 1970: 120. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (California, Arizona), Mexico (Baja California, Chiapas, Durango, Guerrero, Michoacán, Morelos, Nayarit, Oaxaca, Sinaloa, Sonora).
- SQUALIDUS Philippi, 1865: 672. Type-locality: Chile, Santiago Prov. Distr. — Chile (Coquimbo, Santiago, Aisén, Ñuble).
- crinita* Bigot, 1892: 349 (*Argyromoeba*). Type-locality: "Chile". Ref. — Marston, 1970: 109.



- TRIMACULATUS Macquart, 1848: 194 (1848: 34), pl. 3, fig. 11. Type-locality: "Brazil". Distr. — Panama (Canal Zone), Venezuela, Brazil (Paraíba, São Paulo), Uruguay, Argentina (Tucumán).
- imitans* Schiner, 1868: 122 (*Argyromoeba*). Type-locality: "South America" (Venezuela). Ref. — Marston, 1970: 98.
- XYLOCOPAE Marston, 1970: 117. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (Arizona, New Mexico, Texas), Mexico (Sonora, Chihuahua).

Subfamily EXOPROSOPINAE

Genus STONYX Osten Sacken

- STONYX Osten Sacken, 1886: 94. Type-species, *clelia* Osten Sacken (Coquillett, 1910: 609).
- CLELIA Osten Sacken, 1886: 95. Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona), Mexico (Sonora). Ref. — Painter & Painter, 1962: 126.
- CLOTHO (Wiedemann), 1830: 635 (*Anthrax*). Type-locality: "Mexico". Distr. — Mexico (México, Michoacán, Oaxaca, Morelos), Panama (Canal Zone). Ref. — Painter & Painter, 1962: 126.
- LACERA (Wiedemann), 1830: 634 (*Anthrax*). Type-locality: "Mexico". Distr. — Mexico (Guerrero, Oaxaca, Michoacán, Jalisco). Ref. — Painter & Painter, 1962: 126.
- LELIA Williston, 1901: 274. Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1962: 127.
- MELIA Williston, 1901: 274. Type-locality: Mexico, Guerrero, Río Papagaio. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1962: 127.

Genus LEPIDANTHRAX Osten Sacken

- LEPIDANTHRAX Osten Sacken, 1886: 107. Type-species, *Anthrax disjunctus* Wiedemann (Coquillett, 1910: 559).
- Lepidanthrax*, subg. *Podolepida* Hull, 1973: 386. Type-species, *lutzi* Curran (orig. des.).
Ref. — Hall, 1976b.
- ANGULUS Osten Sacken, 1886: 111. Type-locality: U.S.A., California; Mexico, n. Sonora. Distr. — U.S.A. (California, Arizona), Mexico (Sonora, Baja California). Ref. — Hall, 1976b: 295.
- BRACHIALIS (Thomson), 1869: 484 (*Anthrax*). Type-locality: Galápagos Islands. Distr. — Galápagos Is., Peru (Lambayeque). Ref. — Painter & Painter, 1974: 113.
- CALIFORNICUS Hall, 1976b: 308. Type-locality: U.S.A., California, San Diego Co. Distr. — U.S.A. (California, Arizona), Mexico (Baja California).
- CAPNOPENNIS Hall, 1976b: 324. Type-locality: Mexico, Puebla, 30 mi. sw. Tehuacán. Distr. — Mexico (Puebla).



- CHALCUS Hall, 1976b: 346. Type-locality: U.S.A., California, San Diego Co. Distr. — U.S.A. (California, Arizona), Mexico (Puebla).
- CHORISTUS Hall, 1976b: 319. Type-locality: Mexico, Sonora, Álamos. Distr. — Mexico (Sonora).
- CHRYsus Hall, 1976b: 333. Type-locality: Mexico, Sonora, Guaymas. Distr. — Mexico (Sonora, Baja California).
- DIAMPHUS Hall, 1976b: 317. Type-locality: U.S.A., Arizona, Pima Co. Distr. — U.S.A. (Arizona, Texas), Mexico (Sonora, Baja California).
- DISJUNCTUS (Wiedemann), 1830: 639 (*Anthrax*). Type-locality: "Mexico". Distr. — U.S.A. (Arizona), Mexico (Guerrero, Oaxaca, D.F., Veracruz), Costa Rica, Guatemala. Ref. — Hall, 1976b: 317.
- ELLIPUS Hall, 1976b: 345. Type-locality: U.S.A., California, San Bernardino Co. Distr. — U.S.A. (California), Mexico (Baja California).
- EUTHEMUS Hall, 1976b: 295. Type-locality: U.S.A., California, Riverside Co. Distr. — U.S.A. (California, Arizona), Mexico (Baja California).
- FUSCIPENNIS Hall, 1976b: 307. Type-locality: Mexico, Oaxaca, 42 mi. s. Huajuapán de León. Distr. — Mexico (Jalisco, Oaxaca).
- HESPERUS Hall, 1976b: 351. Type-locality: U.S.A., Santa Cruz Co., Arizona. Distr. — U.S.A. (Arizona, California, New Mexico, Texas), Mexico (Sonora, Baja California, Sinaloa).
- HYALINIPENNIS Cole, 1923: 307. Type-locality: Mexico, Baja California, Espiritu Santo Island. Distr. — U.S.A. (California, Arizona), Mexico (Baja California, Sonora). Ref. — Hall, 1976b: 366.
- HYPOMELAS Hall, 1976b: 298. Type-locality: U.S.A., California, Riverside Co. Distr. — U.S.A. (California, Arizona), Mexico (Sonora).
- HYPOSCELUS Hall, 1976b: 315. Type-locality: Mexico, Morelos, Tepalcingo. Distr. — Mexico (Morelos, Guerrero, Puebla).
- INDECISUS Curran, 1930a: 4. Type-locality: Mexico, Guerrero, Hacienda de la Imagen. Distr. — Mexico (Guerrero, Michoacán, Guanajuato, Morelos, Hidalgo). Ref. — Hall, 1976b: 312.
- LITUS Hall, 1976b: 325. Type-locality: Mexico, Guerrero, 7 mi. n. Chilpancingo. Distr. — Mexico (Guerrero, Morelos).
- LUTZI Curran, 1930a: 2. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (California, Arizona, New Mexico), Mexico (throughout).
- morna* Curran, 1930a: 3. Type-locality: U.S.A., Arizona. Ref. — Hall, 1976b: 310.
- MORPHNUS Hall, 1976b: 314. Type-locality: U.S.A., Arizona, Cochise Co. Distr. — U.S.A. (Arizona), Mexico (Sonora, Guanajuato, San Luis Potosí, Morelos).
- PAINTERORUM Hall, 1976b: 311. Type-locality: Mexico, Nuevo León, 7 mi. w. Itúrbide. Distr. — Mexico (Nuevo León, San Luis Potosí).
- PANAMENSIS Curran, 1930a: 5. Type-locality: Panama, Canal Zone, Patilla Point. Distr. — El Salvador, Panama. Ref. — Hall, 1976b: 323.



- PERIPHANUS Hall, 1976b: 326. Type-locality: Mexico, Guerrero, 7 mi. n. Chilpancingo. Distr. — Mexico (Guerrero).
- PERISTIGUS Hall, 1976b: 337. Type-locality: Mexico, Morelos, 18 mi. se. Cuautla. Distr. — Mexico (Morelos, Guerrero, Sinaloa).
- PHOTINUS Hall, 1976b: 355. Type-locality: Mexico, Puebla, 30 mi. se. Tehuacán. Distr. — Mexico (Puebla, Morelos, Guerrero).
- PROBOSCIDEUS (Loew), 1869: 17 (Cent. 8, nº 27) (*Anthrax*). Type-locality: Mexico, Sonora. Distr. — U.S.A. (w. states), Mexico (Sonora, Baja California, Guerrero, Durango), El Salvador. Ref. — Hall, 1976b: 320.
- QUINQUEPUNCTATUS (Thomson), 1869: 484 (*Anthrax*). Type-locality: "Panama". Distr. — Panama. Ref. — Painter & Painter, 1962: 129.
- RAUCHI Hall, 1976b: 305. Type-locality: Mexico, Sinaloa, 65 mi. e. Potrerillos. Distr. — U.S.A. (Arizona), Mexico (Sinaloa, Guanajuato, San Luis Potosí, Hidalgo, Durango, Veracruz).
- SALVADORENSIS Hall, 1976b: 322. Type-locality: El Salvador, Cerro Las Mesas, 5.3 km e. Quezaltepeque. Distr. — El Salvador.
- SONORENSIS Hall, 1976b: 321. Type-locality: Mexico, Sonora, 38 mi. n. Hermosillo. Distr. — U.S.A. (Arizona), Mexico (Sonora).
- TINCTUS (Thomson), 1869: 483 (*Anthrax*). Type-locality: Galápagos Islands. Distr. — Galápagos Islands, Peru (Lambayeque). Ref. — Painter & Painter, 1974: 116.

Genus DIPALTA Osten Sacken

- DIPALTA Osten Sacken, 1877: 236. Type-species, *serpentina* Osten Sacken (mon.).

Members of this genus have been reared from the immature stages of Myrmeleconidae (Merle, 1975).

- SERPENTINA Osten Sacken, 1877: 237. Type-locality: U.S.A., California. Distr. — U.S.A. (widespread), Mexico (Guerrero, Veracruz, Morelos, San Luis Potosí, Hidalgo, México, Puebla, Sinaloa).

Genus NEODIPLOCAMPTA Curran

- NEODIPLOCAMPTA Curran, 1934a: 200. Type-species, *Diplocampta roederi* Curran (orig. des.). Ref. — Hull & Martin, 1974 (rev.).

Subgenus NEODIPLOCAMPTA Curran

- ASTRELLA Hull & Martin, 1974: 342. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona), Mexico (Sonora).
- BRASILIANA Hull & Martin, 1974: 331. Type-locality: Brazil, Goiás, 20 km. n. São João da Aliança. Distr. — Venezuela (Gran Sabana), Brazil (Goiás).
- DECEMMACULA (Walker), 1857: 139 (*Anthrax*). Type-locality: Brazil, Amazon Valley. Distr. — Brazil (Amazon Valley). Ref. — Painter & Painter, 1974: 119.

- GARAGUAYA Hull & Martin, 1974: 333. Type-locality: Brazil, ?Rio Garaguaia. Distr. — Brazil.
- KROMBEINI Hull & Martin, 1974: 329. Type-locality: Mexico, Veracruz, nr. Tierra Colorada. Distr. — Mexico (Veracruz, Jalapa).
- LAURELLA Hull & Martin, 1974: 344. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- MIRA (Coquillett), 1887b: 179 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (sw. states), Mexico (Baja California, Sinaloa, Sonora, Durango, Guerrero, San Luis Potosí). Ref. — Hull & Martin, 1974: 329.
- PAINTERI Hull & Martin, 1974: 343. Type-locality: Jamaica, St. Andrew, Cable Hut. Distr. — Jamaica.
- PARADOXA (Jaennicke), 1867: 339 (1868: 31), pl. 44 (= 2), fig. 13 (*Anthrax*). Type-locality: "Mexico". Distr. — Mexico (Guerrero), Honduras, Panama (Canal Zone). Ref. — Hull & Martin, 1974: 325.
- ssp. AZTECA Hull & Martin, 1974: 324. Type-locality: "Guatemala".
- ssp. IXTA Hull & Martin, 1974: 324. Type-locality: "Honduras".
- PARVA (Loew), 1869: 17 (Cent. 8, n° 26) (*Exoprosopa*). Type-locality: "Cuba". Distr. — Bahamas Islands (Nassau, Abaco, Strangers Cay), Cuba, Jamaica.
- ROEDERI (Curran), 1931: 8 (*Diplocampta*). Type-locality: Puerto Rico, Vieques Island, Salinas. Distr. — Puerto Rico (Vieques Is., St. Thomas Is.). Ref. — Hull & Martin, 1974: 345.
- SPILOPTERA (Wiedemann), 1828: 316 (*Anthrax*). Type-locality: "Brazil". Distr. — Brazil (Goiás). Ref. — Painter & Painter, 1974: 121.

Subgenus AGITONIA Hull

- Neodiplocampta*, subg. AGITONIA Hull, 1966: 225. Type-species, *sepia* Hull (orig. des.).
- SEPIA Hull, 1966: 225. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).

Genus ASTROPHANES Osten Sacken

- ASTROPHANES Osten Sacken, 1886: 106. Type-species, *adonis* Osten Sacken (mon.).
- ADONIS Osten Sacken, 1886: 107. Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (w. states), Mexico (Sonora). Ref. — Painter & Painter, 1962: 132.
- ANDINUS Brèthes, 1909: 91. Type-locality: Argentina, Mendoza, Puente del Inca. Distr. — Argentina (Mendoza).

Genus POECILANTHRAX Osten Sacken

- Anthrax*, group POECILANTHRAX Osten Sacken, 1886: 119. Type-species, *alcyon* Say (Coquillett, 1910: 593). Ref. — Painter & Hall, 1960 (rev.).



Cutworms and armyworms (Noctuidae) serve as hosts for the members of this genus with one exception. *P. lucifer* has been reared as a hyperparasite of scarabaeid larvae through Tiphiidae.

ALCYON (Say), 1824: 371 (1859: 252) (*Anthrax*). Type-locality: U.S.A., Northwest Territory. Distr. — U.S.A. (w. states), Mexico (Chihuahua). Ref. — Painter & Hall, 1960: 25.

ARETHUSA (Osten Sacken), 1886: 116 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (w. states), Mexico (Sonora, Veracruz, Morelos, Chiapas, Mexico, Guerrero), Guatemala, Costa Rica. Ref. — Painter & Hall, 1960: 37.

CALIFORNICUS (Cole), 1917: 69 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Baja California). Ref. — Painter & Hall, 1960: 42.

EFFRENNUS (Coquillett), 1887b: 182 (*Anthrax*). Type-locality: U.S.A., Arizona. Distr. — U.S.A. (sw. states), Mexico (Baja California, Sonora, Tamaulipas). Ref. — Painter & Hall, 1960: 49.

FLAVICEPS FLAVICEPS (Loew), 1869: 19 (Cent. 8, n° 29) (*Anthrax*). Type-locality: Mexico, Tamaulipas. Distr. — U.S.A. (New Mexico, Texas, Kansas), Mexico (Tamaulipas, Nuevo León). Ref. — Painter & Hall, 1960: 58.

ssp. FULIGINOSUS (Loew), 1869: 20 (Cent. 8, n° 31) (*Anthrax*; as sp.). Type-locality: U.S.A., California. Distr. — U.S.A. (sw. states), Mexico (Baja California, Sonora). Ref. — Painter & Hall, 1960: 62.

INGENS Johnson & Johnson, 1957: 13. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona), Mexico (San Luis Potosí). Ref. — Painter & Hall, 1960: 67.

LUCIFER (Fabricius), 1775: 759 (*Bibio*). Type-locality: "West Indies". Distr. — U.S.A. (s. states), Mexico (Guerrero, Sonora, Chiapas, San Luis Potosí, Tamaulipas, Baja California), Costa Rica, Guatemala, El Salvador, Honduras, Cuba, Haiti, Jamaica, Puerto Rico.

fumiflamma Walker, 1852: 184 (*Anthrax*). Type-locality: "Jamaica". Ref. — Painter & Hall, 1960: 74.

MEXICANUS Painter, in Painter & Painter, 1969: 10. Type-locality: Mexico, Morelos, 15 mi. e. Cuernavaca. Distr. — Mexico (Colima, Guerrero, Hidalgo, Morelos, Nuevo León, Puebla, San Luis Potosí, Tamaulipas).

POECILOGASTER POECILOGASTER (Osten Sacken), 1886: 118 (*Anthrax*). Type-locality: Mexico, Sonora. Distr. — U.S.A. (w. states), Mexico (Morelos, Oaxaca, Sonora, Nuevo León). Ref. — Painter & Hall, 1960: 94.

ROBUSTUS Johnson & Johnson, 1957: 20. Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California). Ref. — Painter & Hall, 1960: 98.

VEXATIVUS Painter & Hall, 1960: 119. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (New Mexico, Arizona), Mexico (Chihuahua, México, Puebla, Durango, Nuevo León, Guerrero, Veracruz).



WILLISTONI (Coquillett), 1887b: 181 (*Anthrax*). Type-locality: U.S.A., California. — Distr. — U.S.A. (w. states), Mexico (Baja California). Ref. — Painter & Hall, 1960: 123.

Genus EXOPROSOPA Macquart

EXOPROSOPA Macquart, 1840: 35 (1841: 313). Type-species, *Anthrax pandora* Fabricius (Coquillett, 1910: 544).

Exoptata Coquillett, 1887c: 13. Type-species, *divisa* Coquillett (mon.).

This is a large genus encompassing several hundred species. There have been attempts at arranging the species into subgeneric groupings, but to date, none have come into common usage. No attempt is being made herein to place the species into subgenera.

Members of *Exoprosopa* have been reared from a variety of hosts in the following orders: Orthoptera, Hymenoptera, Diptera, Coleoptera, and Neuroptera (Myrmeleonidae).

ACTITES Painter, in Painter & Painter, 1969: 21. Type-locality: Mexico, Veracruz, 12 mi. s. Tecolutla. Distr. — Mexico (Veracruz, Morelos).

ANTHRACOIDEA Jaennicke, 1867: 340 (1868: 32), pl. 44 (= 2), fig. 18. Type-locality: "Mexico". Distr. — Mexico (Veracruz).

trabalis Loew, 1869: 13 (Cent. 8, n° 20). Type-locality: "Mexico".

ANTICA (Walker), 1852: 183 (*Anthrax*). Type-locality: "Colombia". Distr. — Colombia. Ref. — Painter & Painter, 1974: 123.

ARGENTIFASCIATA Macquart, 1846: 237 (1846: 109). Type-locality: "Colombia". Distr. — Mexico (Guerrero, Yucatán, Jalisco, Chiapas, Puebla, Veracruz, Morelos, Oaxaca, San Luís Potosí, Michoacán), Panama, Colombia.

limbipennis Macquart, 1846: 238 (1846: 110), pl. 20, fig. 3. Type-locality: Mexico, Yucatán, Mérida. Ref. — Painter & Painter, 1974: 124.

ATRIFES Cole, 1923: 291. Type-locality: Mexico, Baja California, Salinas Bay, Carmen Island. Distr. — Mexico (Baja California).

AZTEC Painter, in Painter & Painter, 1969: 13. Type-locality: Mexico, San Luís Potosí, 19 mi. s. Matehuala. Distr. — Mexico (San Luís Potosí, Coahuila, Morelos).

BELLULA Painter, in Painter & Painter, 1969: 22. Type-locality: Mexico, Chiapas, 6 mi. w. Tuxtla Gutiérrez. Distr. — Mexico (Chiapas, Guerrero, México, Morelos, Nayarit, Oaxaca).

BREVIROSTRIS Williston, 1901: 272. Type-locality: Mexico, Jalisco, Santiago Iscuintla. Distr. — Mexico (Jalisco). Ref. — Painter & Painter, 1962: 134.

BREVISTYLATA Williston, 1901: 272. Type-locality: Mexico, Guerrero, Acapulco. Distr. — Mexico (Durango, Puebla, Guerrero, Morelos, Veracruz). Ref. — Painter & Painter, 1962: 136.

PUTLERI Johnson & Johnson, 1959a: 74. Type-locality: "Mexico". Distr. — Mexico (Sonora, Coahuila).

- CALIFTERA (Say), 1823: 46 (1859: 62) (*Anthrax*). Type-locality: U.S.A., Colorado. Distr. — U.S.A. (w. states), Mexico (Durango). Ref. — Painter & Painter, 1962: 137.
- CALLIMA Painter, in Painter & Painter, 1969: 24. Type-locality: Mexico, San Luis Potosí, 19 mi. s. Matehuala. Distr. — Mexico (San Luis Potosí, Hidalgo, Nuevo León, Tamaulipas, Guerrero).
- CASTILLA Painter, 1930b: 796. Type-locality: Honduras, Puerto Castilla. Distr. — Honduras.
- CONVEXA (Walker), 1857: 138 (*Anthrax*). Type-locality: Brazil, Amazon Valley. Distr. — Brazil (Amazon Valley). Ref. — Painter & Painter, 1974: 125.
- CRACENS Painter, in Painter & Painter, 1969: 25. Type-locality: Mexico, Guerrero, 24 mi. n. Chilpancingo. Distr. — Mexico (Guerrero, Morelos).
- CUBANA Loew, 1869: 14 (Cent. 8, n° 22). Type-locality: "Cuba". Distr. — Bahamas Islands (West Caicos Island), Cuba, Puerto Rico.
- DIVISA (Coquillett), 1887c: 13 (*Exoptata*). Type-locality: U.S.A., California. Distr. — U.S.A. (sw. states), Mexico (Sonora).
- DORCADION Osten Sacken, 1877: 231. Type-locality: U.S.A., California. Distr. — U.S.A. (widespread), Mexico (Chihuahua, Coahuila, Guerrero).
- EREMITA Osten Sacken, 1877: 236. Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Baja California).
- FASCIOLATA Painter, in Painter & Painter, 1969: 28. Type-locality: Mexico, Morelos, 12 mi. s. Cuernavaca. Distr. — Mexico (Morelos, Guerrero, Veracruz).
- FILIA Osten Sacken, 1886: 86. Type-locality: Mexico, Durango, Ciudad. Distr. — Mexico (Durango, Jalisco, Sonora, Sinaloa). Ref. — Painter & Painter, 1962: 139.
- FULIGOSA Painter, in Painter & Painter, 1969: 16. Type-locality: Mexico, Jalisco, 12 mi. sw. Tecatitlán. Distr. — Mexico (Colima, Durango, Guerrero, Jalisco, Michoacán, Morelos, Nayarit, Oaxaca, Puebla).
- FUMOSA Cresson, 1919: 177. Type-locality: "Mexico". Distr. — U.S.A. (Arizona), Mexico.
- HULLI Painter, 1930b: 798. Type-locality: U.S.A., Mississippi. Distr. — U.S.A. (s. states), Mexico, Honduras.
- HYALINIPENNIS Cole, 1923: 290. Type-locality: Mexico, Baja California, Angeles Bay. Distr. — Mexico (Baja California).
- IGNIFERA (Walker), 1849: 243 (*Anthrax*). Type-locality: "Jamaica". Distr. — Jamaica. Ref. — Painter & Painter, 1962: 140.
- INGENS Cresson, 1919: 178. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (sw. states), Mexico (Chihuahua).
- INTERRUPTA (Wiedemann), 1828: 273 (*Anthrax*). Type-locality: "Brazil". Distr. — Brazil (São Paulo). Ref. — Painter & Painter, 1974: 127.



- IOTA Osten Sacken, 1886: 82. Type-locality: Mexico, Tehuacán. Distr. — U.S.A. (s. states), Mexico (Puebla, Morelos, Nuevo León, Tamaulipas). Ref. — Painter & Painter, 1962: 141.
- LEON Painter, *in* Painter & Painter, 1969: 18. Type-locality: Mexico, Oaxaca, 4 mi. n. Huajuapán de León. Distr. — Mexico (Puebla, Oaxaca).
- LEPIDA Painter, *in* Painter & Painter, 1969: 29. Type-locality: Mexico, Morelos, 12 mi. e. Cuernavaca. Distr. — Mexico (Morelos).
- MINUSCULA Painter, *in* Painter & Painter, 1969: 31. Type-locality: Mexico, Chiapas, 22 mi. se. Comitán. Distr. — Mexico (Guerrero, Michoacán, Morelos, Chiapas).
- MUS Curran, 1930b: 7. Type-locality: Mexico, Guerrero, Dos Arroyos. Distr. — Mexico (Guerrero, Oaxaca, Morelos, Sinaloa, Puebla).
- NIGROVENTRIS Painter, *in* Painter & Painter, 1969: 32. Type-locality: Nicaragua, Poneloya. Distr. — Mexico (Oaxaca, Chiapas), Costa Rica, Nicaragua.
- NUBIFERA Loew, 1869: 16 (Cent. 8, n° 25). Type-locality: "Cuba". Distr. — Cuba, Bahamas Islands (South Bimini Island).
- IANAMENSIS Curran, 1930b: 9. Type-locality: Panama, Canal Zone, Fort Randolph. Distr. — Panama, Colombia, Brazil (Mato Grosso).
- PARDA Osten Sacken, 1886: 88, pl. 1, fig. 15. Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona), Mexico (Sonora). Ref. — Painter & Painter, 1962: 147.
- PAVIDA Williston, 1901: 273. Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — Mexico (Guerrero, Oaxaca, Puebla). Ref. — Painter & Painter, 1962: 148.
- PROCNE Osten Sacken, 1886: 85. Type-locality: Guatemala, Coatepeque. Distr. — Guatemala, El Salvador. Ref. — Painter & Painter, 1962: 149.
- PUEBLENSIS Jaennicke, 1867: 342 (1868: 34), pl. 44 (= 2), fig. 21. Type-locality: "Mexico". Distr. — U.S.A. (widespread), Mexico (Puebla, Guerrero, Nuevo León, Chihuahua). Ref. — Painter & Painter, 1962: 150.
- ROSTRIFERA Jaennicke, 1867: 341 (1868: 34), pl. 44 (= 2), fig. 19. Type-locality: "Mexico". Distr. — U.S.A. (Arizona, New Mexico), Mexico (Sonora, Guerrero, Oaxaca, Jalisco).
- RUFA Painter, *in* Painter & Painter, 1962: 151. Type-locality: "Mexico" Distr. — Mexico.
- SACKENI Williston, 1901: 271. Type-locality: Mexico, Guerrero, Hacienda de la Imagen. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1962: 153.
- SANCTIPauli Macquart, 1840: 50 (1841: 328). Type-locality: Brazil, n. São Paulo. Distr. — Brazil (São Paulo), Argentina (Rioja, Mendoza). Ref. — Painter & Painter, 1974: 129.
- SOCIA Osten Sacken, 1886: 87. Type-locality: Mexico, Durango, Ciudad. Distr. — Mexico (Durango, Guerrero, Amula). Ref. — Painter & Painter, 1962: 155.

- SOLA Painter, 1939: 42. Type-locality: Peru, Lima. Distr. — Peru (Lima).
- SORDIDA Loew, 1869: 14 (Cent. 8, n° 21). Type-locality: Mexico, Tamaulipas, Matamoros. Distr. — Mexico (Tamaulipas).
- SPADIX Painter, 1933b: 6. Type-locality: Panama, Canal Zone, Bruja Point. Distr. — Panama (Canal Zone).
- SUBFASCIA (Walker), 1849: 249 (*Anthrax*). Type-locality: "Jamaica". Distr. — Jamaica. Ref. — Painter & Painter, 1962: 156.
- THOMAE (Fabricius), 1805: 125 (*Anthrax*). Type-locality: W. I., St. Thomas Island. Distr. — W. I. (St. Thomas). Ref. — Painter & Painter, 1962: 157.
- TIBURONENSIS Cole, 1923: 291. Type-locality: Mexico, Baja California, Tiburón Island, Willard's Point Bay. Distr. — Mexico (Baja California).
- URAGUAYI Macquart, 1840: 50 (1841: 328), pl. 18, fig. 8. Type-locality: Uruguay, from the mouth of the Uruguay River to the Misiones. Distr. — Uruguay. Ref. — Painter & Painter, 1974: 131.

uruguayi, error or emend.

- VARICOLOR Macquart, 1846: 236 (1846: 108). Type-locality: Brazil, Minas Gerais. Distr. — Brazil (Minas Gerais, São Paulo). Ref. — Painter & Painter, 1974: 133.

Genus LIGYRA Newman

- LIGYRA Newman, 1841: 220. Type-species, *Anthrax bombyliiformis* MacLeay (mon.) = *sylvanus* (Fabricius).

- Velocia* Coquillett, 1886b: 158 (preocc. Robineau-Desvoidy, 1863). Type-species, *Anthrax cerberus* Fabricius (mon.).

Hyperalonia, authors, not Rondani.

Larvae of this genus are parasitic on Hymenoptera, especially the Tiphidae, Scolidae, and Sphecidae. A single species is recorded as parasitic on Asilidae (Merle, 1975).

- ALACER Painter, in Painter & Painter, 1969: 6. Type-locality: Mexico, Oaxaca, 54 mi. e. Tehuantepec. Distr. — Mexico (Oaxaca, Chiapas, Colima, Guerrero, Jalisco, Morelos, Puebla, Tamaulipas, Veracruz), Guatemala.

- LIZONA (Walker), 1850: 97 (*Exoprosopa*). Type-locality: Brazil, Pará. Distr. — Brazil (Pará). Ref. — Painter & Painter, 1974: 136.

- CERBERUS (Fabricius), 1794: 256 (*Anthrax*). Type-locality: "West Indies". Distr. — Bahamas Islands (Nassau, Mona, St. Croix, Virgin I., Bimini), Puerto Rico, Jamaica.

servillei Macquart, 1840: pl. 16, fig. 3 (*Exoprosopa*; illustrated only). Type-locality: unknown. Ref. — Painter & Painter, 1974: 138.

gurgantua Knab, 1915: 48 (*Hyperalonia*). Type-locality: Jamaica, Santa Cruz Mts., St. Elizabeth.

- ssp. TRIFIGURATA (Walker), 1860: 285 (*Anthrax*). Type-locality: "Haiti". Distr. — Haiti. Ref. — Painter & Painter, 1974: 142.
- DIDO (Osten Sacken), 1886: 91, pl. 1, fig. 17 (*Hyperalonia*). Type-locality: Mexico, Tres Marias Island. Distr. — Mexico (Tres Marias I.).
- EVANSI Painter, in Painter & Painter, 1969: 9. Type-locality: Mexico, Morelos, s. end of Cuernavaca. Distr. — Mexico (Morelos, Oaxaca, Puebla), Costa Rica.
- FENESTELLA (Wiedemann), 1828: 562 (*Anthrax*). Type-locality: "Surinam". Distr. — Surinam. Ref. — Painter & Painter, 1974: 143.
- FENESTRALIS (Wiedemann), 1830: 633 (*Anthrax*). Type-locality: Brazil, Pará. Distr. — Brazil (Amazonas, Pará, Mato Grosso, São Paulo). Ref. — Painter & Painter, 1974: 144.
- FLAVOSPARGA (Bigot), 1892: 343 (*Hyperalonia*). Type-locality: "Brazil". Distr. — Brazil. Ref. — Painter & Painter, 1974: 146.
- GAZOPHYLAX (Loew), 1869: 12 (Cent. 8, n° 18) (*Exoprosopa*). Type-locality: U.S.A., California. Distr. — U.S.A. (sw. states), Mexico (Sonora, Sinaloa, Nayarit, Guerrero, Oaxaca, Veracruz), Guatemala, Honduras, Panama.
- GUERINII (Macquart), 1846: 236 (1846: 108), pl. 9, fig. 8 (*Exoprosopa*). Type-locality: "Brazil". Distr. — Costa Rica, Panama, Ecuador (Napo), Venezuela, Brazil. Ref. — Painter & Painter, 1974: 148.
- HARPYIA (Wiedemann), 1828: 254 (*Anthrax*). Type-locality: "Brazil". Distr. — Haiti, Venezuela (Bolívar), Brazil.
- phlegeton* Walker, 1849: 236 (*Anthrax*). Type-locality: "Brazil". Ref. — Painter & Painter, 1974: 150.
- HELA (Erichson), 1848: 608 (*Anthrax*). Type-locality: "Guyana". Distr. — Mexico (Sonora, Sinaloa, Veracruz), Guatemala, Honduras, Panama, Costa Rica, Guyana, Venezuela.
- albiventris* Macquart, 1848: 193 (1848: 33), pl. 3, fig. 8 (*Exoprosopa*; preocc. Macquart, 1840). Type-locality: "Rio Negro". Ref. — Painter & Painter, 1974: 152.
- KLUGII (Wiedemann), 1830: 632 (*Anthrax*). Type-locality: Brazil, Rio Grande do Sul, Caçapava do Sul. Distr. — ?Mexico (Tamaulipas); Brazil (Rio Grande do Sul), Paraguay, Uruguay, Argentina (Tucumán). Ref. — Painter & Painter, 1974: 154.
- LATREILLEI (Wiedemann), 1830: 633 (*Anthrax*). Type-locality: Mexico, Oaxaca. Distr. — Mexico (Oaxaca, México, Tabasco, Yucatán, Chiapas), Guatemala, Costa Rica, Honduras, Panama, Jamaica, Colombia, Venezuela, Peru, Bolivia, Brazil, Paraguay, Argentina.
- ORCUS (Walker), 1849: 237 (*Anthrax*). Type-locality: "Mexico". Distr. — Mexico (Jalisco, Guerrero, Oaxaca, D. F., Zacatecas, Puebla, Michoacán, Sonora, Morelos).
- kaupii* Jaenicke, 1867: 340 (1868: 32), pl. 44 (= 2), fig. 17 (*Exoprosopa*). Type-locality: "Mexico".



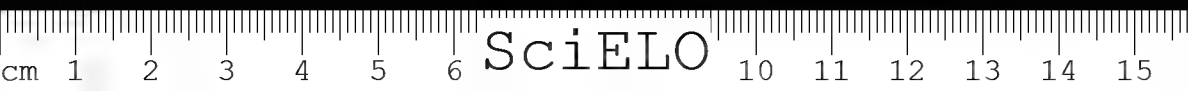
- PLATEI* (Macquart), 1846: 238 (1846: 110) (*Exoprosopa*). Type-locality: Mexico, Yucatán, Mérida. Distr. — U.S.A. (Arizona), Mexico (Sinaloa, Oaxaca, Morelos, Yucatán, Chiapas).
- PROMETHEUS* (Macquart), 1855: 93 (1855: 73), pl. 3, fig. 8 (*Exoprosopa*). Type-locality: "South America". Distr. — South America. Ref. — Painter & Painter, 1974: 158.
- PROSERPINA* (Wiedemann), 1828: 257 (*Anthrax*). Type-locality: Unknown. Distr. — Mexico (Yucatán, Tabasco), Guatemala, Costa Rica, Cuba, Jamaica, Peru, Brazil (Goiás), Paraguay.
- cerberus* Fabricius of Macquart, 1840: 38 (1841: 316) (*Exoprosopa*), misident.
- rufescens* Walker, 1849: 238 (*Anthrax*). Type-locality: Unknown. Ref. — Painter & Painter, 1974: 160.
- STYMPHALIS* (Wiedemann), 1828: 252 (*Anthrax*). Type-locality: Uruguay, Montevideo. Distr. — Venezuela, Uruguay. Ref. — Painter & Painter, 1974: 163.

Genus WALKEROMYIA Paramonov

- WALKEROMYIA* Paramonov, 1934: 22. Type-species, *Anthrax luridus* Walker (orig. des.). Ref. — Paramonov, 1951: 353.
- A single record shows at least one species, *lurida*, to be parasitic on Xylcopidae (Hull, 1973).
- LURIDA* (Walker), 1857: 139 (*Anthrax*). Type-locality: Brazil, Amazon Valley. Distr. — Trinidad, Brazil (Amazonas), Paraguay. Ref. — Painter & Painter, 1974: 165.
- PLUMIPES* (Philippi), 1873: 307 (*Anthrax*). Type-locality: Argentina, Mendoza. Distr. — Argentina (Mendoza). Ref. — Paramonov, 1951: 355.

Genus DIPLOCAMPTA Schiner

- DIPLOCAMPTA* Schiner, 1867: 312 (1868: 119, again as gen. n.). Type-species, *singularis* Schiner (orig. des.) = *conopas* (Philippi). Ref. — Hall, 1976a: 173.
- CONOPAS* (Philippi), 1865: 674 (*Anthrax*). Type-locality: Chile, Santiago Prov. Distr. — Chile (Santiago).
- singularis* Schiner, 1868: 120. Type-locality: "Chile". Ref. — Hall, 1976a: 175.
- EXILIS* Hall, 1976a: 176. Type-locality: Chile, Coquimbo, Fray Jorge National Park. Distr. — Chile (Coquimbo).
- HOMOLOGOS* Hall, 1976a: 177. Type-locality: Chile, Aisén, 5.3 km w. Chile Chico. Distr. — Chile (Aisén), Argentina (Chubut).
- MARNEFI* Hall, 1976a: 179. Type-locality: Chile, Valparaíso, Quebrada Verde. Distr. — Chile (Valparaíso, Santiago).
- PLATYPTERON* Hall, 1976a: 180. Type-locality: Chile, Santiago, El Canelo. Distr. — Chile (Santiago).



SECUNDA Paramonov, 1931a: 45. Type-locality: Chile, Valparaiso, Valparaiso. Distr. — Chile (Valparaiso, Bío Bío, Santiago).

subsinuata Oldroyd, 1938: 92. Type-locality: Chile, Bío Bío. Ref. — Hall, 1976a: 182.

Genus VILLA Lioy

VILLA Lioy, 1864: 732. Type-species, *Anthrax concinnus* Meigen (Coquillett, 1910: 619) = *abbaddon* (Fabricius).

Anthrax, group *Hyalanthrax* Osten Sacken, 1887: 134. Type-species, *faustinus* Osten Sacken (Coquillett, 1910: 553).

Anthrax, authors, not Scopoli.

The majority of the species have larvae that are parasitic upon Hymenoptera and Lepidoptera although a few are parasites of Diptera and Coleoptera as well as Orthoptera (Merle, 1975).

Only those species seen have been placed within a subgenus.

Subgenus CHRYSANTHRAX Osten Sacken

Anthrax, group CHRYSANTHRAX Osten Sacken, 1886: 121. Type-species, *fulvohirta* Wiedemann (Coquillett, 1910: 523) = *cypris* (Meigen).

ADUMBRATA (Coquillett), 1887b: 176 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California).

ARENARIA Hall, 1976a: 230. Type-locality: Chile, Aisén, Chile Chico. Distr. — Chile (Aisén, Nuble, Santiago).

ARENOSA (Coquillett), 1892a: 187 (*Anthrax*). Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (New Mexico), Mexico (Sonora).

ARGENTOSA Painter, 1933b: 8. Type-locality: Panama, Canal Zone, Corozal. Distr. — Panama (Canal Zone).

ASTARTE (Wiedemann), 1830: 637 (*Anthrax*). Type-locality: "Mexico". Distr. — Mexico (Baja California, Guerrero, Chiapas, Jalisco, Morelos, Oaxaca, Puebla, Veracruz, Nuevo León), Honduras, "South America".

recta Walker, 1852: 174 (*Anthrax*). Type-locality: "South America". Ref. — Painter & Painter, 1962: 85, 1974: 269.

CERIA (Williston), 1901: 283 (*Anthrax*). Type-locality: Mexico, Guerrero, La Venta. Distr. — Mexico (Guerrero, Sinaloa, Morelos, San Luis Potosí, Colima, Sonora, Oaxaca).

CONCLUSA (Walker), 1857: 139 (*Anthrax*). Type-locality: Brazil, Amazon Valley. Distr. — Brazil (Amazonas).

costata Bigot, 1892: 352 (*Glossista*; part, see Painter & Painter, 1974: 182). Type-locality: Brazil, Amazon.

COSTATA (Bigot), 1892: 352 (*Glossista*; part, see Painter & Painter, 1974: 204). Type-locality: Brazil, Amazon. Distr. — Brazil (Amazonas), Bolivia.



- dorsalis* Walker, 1857: 138 (*Anthrax*; preocc. Walker, 1849). Type-locality: Brazil, Amazon Valley.
- CROCINA (Coquillett), 1892a: 183 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (California, Nevada, Arizona), Mexico (Baja California).
- CYRIS (Meigen), 1820: 158 (*Anthrax*). Type-locality: Unknown (as Europe, error). Distr. — U.S.A. (sw. states), Mexico (Guerrero, Veracruz, Puebla, Oaxaca, Chiapas).
- fulvohirta* Wiedemann, 1821: 99 (149) (*Anthrax*). Type-locality: U.S.A., Georgia. Ref. — Painter & Painter, 1962: 98, 101, 109.
- conifacies* Macquart, 1850: 416 (1850: 112), pl. 10, fig. 13 (*Anthrax*). Type-locality: U.S.A., Virginia.
- DICHOTOMA (Schiner), 1868: 119 (*Exoprosopa*). Type-locality: "South America". Distr. — Colombia, Venezuela.
- bipartita* Bigot, 1892: 346 (*Exoprosopa*). Type-locality: "Colombia". Ref. — Painter & Painter, 1974: 192.
- FIMIDIATA (Wiedemann), 1819: 46 (*Anthrax*). Type-locality: "Brazil". Distr. — Brazil, Argentina (Buenos Aires). Ref. — Painter & Painter, 1974: 195.
- DISPAR (Coquillett), 1887b: 177 (*Anthrax*). Type-locality: U.S.A., Florida. Distr. — U.S.A. (widespread), Mexico (Chihuahua, Sonora, Colima, Tamaulipas, Guerrero, Guanajuato).
- EDIDITIA (Say), 1829: 156 (1859: 353) (*Anthrax*). Type-locality: Unknown. Distr. — U.S.A. (widespread), Mexico (Sonora, San Luis Potosí, Morelos, Oaxaca, Veracruz, Durango), Guatemala, Honduras.
- sabulosa* Coquillett, 1892a: 186 (*Anthrax*). Type-locality: U.S.A., California.
- FUSCA (Fabricius), 1805: 117 (*Cytherea*). Type-locality: "South America". Distr. — Bahamas Islands (South Bimini, Turtle, Caicos, Rose, Maya Guana), Jamaica, Puerto Rico, Haiti.
- nero* Fabricius, 1805: 127 (*Anthrax*). Type-locality: "West Indies".
- trimacula* Walker, 1849: 250 (*Anthrax*). Type-locality: "Jamaica". Ref. — Painter & Painter, 1974: 218.
- GORGON (Fabricius), 1805: 126 (*Anthrax*). Type-locality: "West Indies". Distr. — Puerto Rico, Dominica.
- maimon* Fabricius, 1805: 127 (*Anthrax*). Type-locality: "West Indies". Ref. — Painter & Painter, 1962: 110.
- HIRCINA (Coquillett), 1892a: 182 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California).
- JUNCTURA (Coquillett), 1887b: 163 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (sw. states), Mexico (Sonora).
- LITORALIS Hall, 1976a: 231. Type-locality: Chile, Valparaíso, Río Marga Marga. Distr. — Chile (Valparaíso, Coquimbo).
- MULTICOLOR (Bigot), 1892: 352 (*Glossista*). Type-locality: "Chile". Distr. — Chile (Ñuble, Bío Bío, Maule). Ref. — Hall, 1976a: 232.



- NIVEA Cole, 1923: 302. Type-locality: Mexico, Baja California, San Nicolás Bay. Distr. — Mexico (Baja California).
- PHILIPPI (Rondani), 1863: 65 (*Anthrax*). Type-locality: "Chile". Distr. — Chile (Arauco, Santiago, Coquimbo, Cautín, Maule, Ñuble, Curicó).
fulvago Philippi, 1865: 669 (*Anthrax*). Type-locality: Chile, Santiago. Ref. — Hall, 1976a: 234.
- PRIMITIVA (Walker), 1849: 257 (*Anthrax*). Type-locality: Galápagos Islands. Distr. — Galápagos Islands. Ref. — Painter & Painter, 1974: 262.
- PROCEDENS (Walker), 1852: 185 (*Anthrax*). Type-locality: "Colombia". Distr. — Colombia. Ref. — Painter & Painter, 1974: 264.
- QUADRI-PUNCTATA Cole, 1923: 298. Type-locality: Mexico, Sonora, San Pedro Bay. Distr. — Mexico (Sonora).
- RAVUS Painter, 1933b: 9. Type-locality: Panama, Canal Zone, Patilla Point. Distr. — Panama (Canal Zone).
- RESTITUTA (Walker), 1852: 174 (*Anthrax*). Type-locality: "South America". Distr. — Argentina (Tucumán). Ref. — Painter & Painter, 1974: 269.
- SACKENIANA (Williston), 1901: 276 [*Anthrax* (*Isopenthes*)]. Type-locality: Mexico, Guerrero, Amula. Distr. — Mexico (Hidalgo, Morelos, Oaxaca, Guerrero, Michoacán).
- SEMI-LUGENS (Philippi), 1865: 664 (*Anthrax*). Type-locality: Chile, Valdivia Prov. Distr. — Chile (Valparaíso, Bío Bío, Santiago, Ñuble, O'Higgins, Concepción, Cautín, Linares, Curicó, Coquimbo, Valdivia, Aconcagua).
- unicincta* Bigot, 1892: 356 (*Anthrax*). Type-locality: "Chile". Ref. — Hall, 1976a: 237.
- SUBANDINA (Philippi), 1865: 667 (*Anthrax*). Type-locality: Chile, Santiago, Prov. Distr. — Chile (Santiago, Aconcagua, Atacama, Coquimbo, Valparaíso), Peru (Lambayeque). Ref. — Hall, 1976a: 239.
- VANA (Coquillett), 1887b: 180 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Baja California).

Subgenus HEMIPENTHES Loew

- HEMIPENTHES Loew, 1869: 28 (Cent. 8, n° 44) (as genus). Type-species, *Musca morio* Linnaeus (Coquillett, 1910: 550).
- Isopenthes* Osten Sacken, 1886: 96. Type-species, *jaennickeana* Osten Sacken (Coquillett, 1910: 556) = *sinuosa* (Wiedemann). Ref. — Painter & Painter, 1962 (key to *celer* group).
- BIGRADATA (Loew), 1869: 23 (Cent. 8, n° 37) (*Anthrax*). Type-locality: "Cuba". Distr. — U.S.A. (California, New Mexico), Bahamas Islands (Bimini, Nassau, Abaco, Strangers Cay), Cuba.
- CHIMAERA (Osten Sacken), 1887: 131 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — Mexico (Sonora, Guerrero). Ref. — Painter & Painter, 1962: 96.



- CONSTITUTA (Walker), 1852: 189 (*Anthrax*). Type-locality: "South America". Ref. — Painter & Painter, 1974: 184.
- CURTA (Loew), 1869: 22 (Cent. 8, n° 35) (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (sw. states), Mexico (Guerrero, Morelos, Yucatán, Veracruz, Sinaloa, Colima, Jalisco, Oaxaca, Nuevo León). Ref. — Painter & Painter, 1962: 101.
- DIFFERENS Hall, 1976a: 249. Type-locality: Chile, Santiago, Quebrada de la Plata, nr. Maipu. Distr. — Chile (Santiago, Arauco, Coquimbo, Curicó, Linares, Malleco, Maule, Ñuble, O'Higgins, Valparaíso).
- DISCOLOR Hall, 1976a: 251. Type-locality: Chile, Aisén, Chile Chico. Distr. — Chile (Aisén, Magallanes).
- DITAENIA (Wiedemann), 1828: 283 (*Anthrax*). Type-locality: Uruguay, Montevideo. Distr. — Peru, Chile, Uruguay, Argentina.
- maldonadensis* Macquart, 1850: 411 (1850: 107), pl. 10, fig. 6 (*Exoprosopa*). Type-locality: Uruguay, Maldonado. Ref. — Hall, 1976a: 253.
- DIVISA (Walker), 1852: 190 (*Anthrax*). Type-locality: "South America". Ref. — Painter & Painter, 1974: 202.
- EFILEAIS (Wiedemann), 1828: 307 (*Anthrax*). Type-locality: "Brazil". Distr. — Brazil. Ref. — Painter & Painter, 1974: 209.
- EUMENES (Osten Sacken), 1887: 131 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (w. states), Mexico (Sonora), Puerto Rico (Anegada Island). Ref. — Painter & Painter, 1962: 102.
- EXTENSA (Wulp), 1888: 367, pl. 10, fig. 1 (*Exoprosopa*). Type-locality: Argentina, Córdoba. Distr. — Argentina (Córdoba, Mendoza).
- CALAPAGENSIS Painter & Painter, 1974: 222 (nom. nov. for *lateralis* Thomson). Type-locality: Galápagos Islands. Distr. — Galápagos Islands.
- lateralis* Thomson, 1869: 482 (*Anthrax*; preocc. Say, 1823). Type-locality: Galápagos Islands.
- GALATHEA (Osten Sacken), 1886: 123 (*Anthrax*). Type-locality: Costa Rica, Caché. Distr. — Costa Rica. Ref. — Painter & Painter, 1962: 110.
- GAYI (Macquart), 1840: 66 (1841: 344), pl. 21, fig. 5 (*Anthrax*). Type-locality: "Chile". Distr. — Chile (widespread throughout northern half).
- lemniscata* Philippi, 1865: 664 (*Anthrax*). Type-locality: Chile, mountains of Santiago Prov. Ref. — Hall, 1976a: 255.
- IGNEA (Macquart), 1846: 241 (1846: 113), pl. 9, fig. 13 (*Anthrax*). Type-locality: "Colombia". Distr. — Panama, Colombia, Guyana. Ref. — Painter & Painter, 1974: 233.
- INCISIVA Painter, in Painter & Painter, 1962: 112 (nom. nov. for *incisa* Walker). Type-locality: "North America". Distr. — U.S.A., Mexico (Guerrero).
- incisa* Walker, 1852: 187 (*Anthrax*; preocc. Macquart, 1847). Type-locality: "North America".
- LEPIDOTA (Osten Sacken), 1887: 130 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (w. states), Mexico (islands in Gulf of

California, Sonora, Guerrero, San Luis Potosí, Puebla, Tamaulipas, Chihuahua). Ref. — Painter & Painter, 1962: 113.

LEUCOCEPHALA (Wulp), 1882: 81, pl. 9, fig. 6 (*Anthrax*). Type-locality: Argentina. Distr. — Argentina (Jujuy). Ref. — Painter & Painter, 1974: 238.

MARTINORUM Painter, in Painter & Painter, 1962: 91. Type-locality: Mexico, Michoacán, 10 mi. s. Apatzingán. Distr. — Mexico (Michoacán).

MELALEUCA (Wiedemann), 1828: 299 (*Anthrax*). Type-locality: Uruguay, Montevideo. Distr. — Argentina (Tucumán, Buenos Aires), Uruguay (Montevideo). Ref. — Painter & Painter, 1974: 242.

MICROMELAS (Bigot), 1892: 358 (*Anthrax*). Type-locality: "Chile" (error). Distr. — Argentina (Buenos Aires). Ref. — Hall, 1976a: 256.

MINAS (Macquart), 1848: 193 (1848: 33), pl. 3, fig. 10 (*Anthrax*). Type-locality: Brazil, Minas Gerais. Distr. — Brazil (Minas Gerais), Argentina (Chaco, Tucumán). Ref. — Painter & Painter, 1974: 246.

NUDIUSCULA (Thomson), 1869: 482 (*Anthrax*). Type-locality: "Panama". Distr. — Panama. Ref. — Painter & Painter, 1962: 119.

OLDROYDI Hall, 1976a: 253 (nom. nov. for *edwardsi* Oldroyd). Type-locality: Chile, ?Rofuco. Distr. — Chile (Concepción, Santiago, Coquimbo, Curicó, Maule, Malleco, Valparaíso).

edwardsi Oldroyd, 1938: 86 (preocc. Coquillett, 1894). Type-locality: Chile, ?Rofuco.

PIMA Painter, in Painter & Painter, 1962: 92. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (sw. states), Mexico (Sonora, Sinaloa).

PLEURALIS (Williston), 1901: 282 (*Anthrax*). Type-locality: Mexico, Guerrero, Venta de Zopilote. Distr. — Mexico (Guerrero, Morelos, Nayarit, Puebla, Colima, Chiapas). Ref. — Painter & Painter, 1962: 121.

RUFICOLLIS (Bigot), 1892: 355 (*Anthrax*). Type-locality: "Venezuela". Distr. — Venezuela, Argentina (Tucumán). Ref. — Painter & Painter, 1974: 272.

SAGATA (Loew), 1869: 21 (Cent. 8, n° 34) (*Anthrax*). Type-locality: Mexico, Tamaulipas, Matamoros. Distr. — U.S.A. (s. states), Mexico (Guerrero, Puebla, Morelos, Sinaloa), Panama (Canal Zone), Honduras.

orbitalis Williston, 1901: 281 (*Anthrax*). Type-locality: Mexico, Guerrero, Rincón. Ref. — Painter & Painter, 1962: 120.

SCYLLA (Osten Sacken), 1887: 132 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona, Texas), Mexico (Sonora), Venezuela.

succinta Coquillett, 1894: 96 (*Argyromoeba*). Type-locality: U.S.A., Arizona. Ref. — Painter & Painter, 1962: 123.

SEMIFUCATA Hall, 1976a: 257. Type-locality: Chile, Santiago, Quebrada de la Plata, nr. Maipu. Distr. — Chile (Aconcagua, Atacama, Coquimbo, Santiago, Valparaíso).



SINUOSA BLANCHARDIANA (Jaennicke), 1867: 341 (1868: 33), pl. 44 (= 2), fig. 20 (*Exoprosopa*; as sp.). Type-locality: "Mexico". Distr. — U.S.A. (sw. states), Mexico (Sonora, Guerrero, Puebla).

SINUOSA JAENNICKIANA (Osten Sacken), 1886: 97 (*Isopenthes*; as sp.). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (w. states), Mexico (Sonora).

TARAPACENSIS Hall, 1976a: 258. Type-locality: Chile, Tarapacá, 3 km e. Zapahuire. Distr. — Chile (Tarapacá, Coquimbo).

TENUIROSTRIS (Macquart), 1850: 416 (1850: 112), pl. 10, fig. 12 (*Anthrax*). Type-locality: "South America". Distr. — Peru (Lima, Chosica, Lambayeque, Chiclayo), Chile (Arauco, Coquimbo, Curicó, Linares, Santiago, Valparaíso).

porteri Oldroyd, 1938: 85. Type-locality: Chile, Santiago, Santiago. Ref. — Hall, 1976a: 259.

YAQUI Painter, in Painter & Painter, 1962: 94. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona), Mexico (Sonora).

Subgenus PARANTHRAX Bigot

PARANTHRAX Bigot, 1876: lxvi (as genus). Type-species, *Anthrax rufiventris* Blanchard (orig. des.).

CALOGASTRA (Philippi), 1865: 672 (*Anthrax*). Type-locality: not given (Chile). Distr. — Chile (Coquimbo, Aconcagua, Antofagasta, Curicó, Maule, O'Higgins, Santiago, Valparaíso). Ref. — Hall, 1976a: 215.

RUFIVENTRIS (Blanchard), 1852: 382 (*Anthrax*). Type-locality: Chile, Coquimbo. Distr. — Chile (Coquimbo, Curicó, Malleco, Ñuble, Santiago, O'Higgins, Valparaíso).

chilensis Philippi, 1865: 666 (*Anthrax*). Type-locality: Chile, Coquimbo, Illapel. Ref. — Hall, 1976a: 218.

Subgenus PARAVILLA Painter

Villa, subg. PARAVILLA Painter, 1933a: 10. Type-species, *edititoides* Painter (orig. des.).

CASTANEA (Jaennicke), 1867: 338 (1868: 30), pl. 44 (= 2), fig. 15 (*Anthrax*). Type-locality: "Mexico". Distr. — Mexico (Morelos, Guerrero, Oaxaca, México, Puebla, Hidalgo, Jalisco), Guatemala.

hirsuta Williston, 1901: 279 (*Anthrax*). Type-locality: Mexico, Guerrero, Acaguizotla.

CINEREA Cole, 1923: 299. Type-locality: Mexico, Baja California, Angeles Bay. Distr. — U.S.A. (Arizona, Texas, New Mexico), Mexico (Baja California).

CONSUL (Osten Sacken), 1886: 125 (*Anthrax*). Type-locality: Guatemala, San Gerónimo. Distr. — U.S.A. (Arizona), Mexico (Oaxaca, Morelos, Nuevo León, Chihuahua, Durango, Jalisco, Sonora, Michoacán), Guatemala.

- CUNICULA (Osten Sacken), 1886: 125 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona, Texas), Mexico (Sonora, Baja California).
- DIANELLA Painter, in Painter & Painter, 1962: 101 (nom. nov. for *diana* Williston). Type-locality: Mexico, Guerrero, Acaguizotla. Distr. — Mexico (Durango, Michoacán, Guanajuato, Guerrero, Hidalgo). *diana* Williston, 1901: 280 (*Anthrax*; preocc. Walker, 1849). Type-locality: Mexico, Guerrero, Acaguizotla.
- EDITITOIDES Painter, 1933a: 11. Type-locality: U.S.A., Colorado. Distr. — U.S.A. (w. states), Mexico (México, Durango, Zacatecas, Chihuahua, Jalisco).
- EPHEBA (Osten Sacken), 1886: 124 (*Anthrax*). Type-locality: Mexico, Puebla, Tehuacán. Distr. — U.S.A. (New Mexico), Mexico (Guerrero, Nuevo León, D. F., México, Guanajuato, Zacatecas, Durango, Chihuahua, Hidalgo, Coahuila, Oaxaca, Morelos, Puebla, Jalisco).
- EURHINATA (Bigot), 1892: 355 (*Anthrax*). Type-locality: "Mexico". Distr. — Mexico (Durango). Ref. — Painter & Painter, 1962: 102.
- FLAVIPILOSA Cole, 1923: 303. Type-locality: Mexico, Baja California, San José Island. Distr. — U.S.A. (sw. states), Mexico (Baja California).
- LEUCOTHOA (Wiedemann), 1830: 638 (*Anthrax*). Type-locality: "Mexico". Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1962: 113.
- MERCEDIS (Coquillett), 1887b: 166 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Sonora).
- PALLIATA (Loew), 1869: 20 (Cent. 8, n° 32) (*Anthrax*). Type-locality: U.S.A., Illinois. Distr. — U.S.A. (midw. states), Mexico (Guerrero, Oaxaca).
- PERPLEXA (Coquillett), 1887b: 176 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Baja California).
- STHENO (Wiedemann), 1828: 582 (*Anthrax*). Type-locality: "Brazil". Ref. — Painter & Painter, 1974: 280.
- SYRTIS (Coquillett), 1887b: 173 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Sonora, Baja California).
- VILLICA (Philippi), 1865: 669 (*Anthrax*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago, Atacama, Coquimbo, Malleco). Ref. — Hall, 1976a: 247.

Subgenus RHYNCHANTHRAX Painter

- Villa, subg. RHYNCHANTHRAX Painter, 1933a: 6. Type-species, *Anthrax parvicornis* Loew (orig. des.).
- MARIA (Williston), 1901: 283 (*Anthrax*). Type-locality: Mexico, Guerrero, Hacienda de la Imagen. Distr. — Mexico (Guerrero, Morelos). Ref. — Painter & Painter, 1962: 115.



- NIGROFIMBRIATA (Williston), 1901: 282 (*Anthrax*). Type-locality: Mexico, Guerrero, Hacienda de la Imagen. Distr. — Mexico (Guerrero). Ref. — Painter & Painter, 1962: 118.
- QUIVERA Painter, 1933a: 9. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (New Mexico), Mexico (Durango).
- REX (Osten Sacken), 1886: 127 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona, Texas), Mexico (Sonora).
- plagosa* Coquillett, 1887b: 178 (*Anthrax*). Type-locality: U.S.A., Arizona.
- TEXANA Painter, 1933a: 8. Type-locality: U.S.A., Texas. Distr. — U.S.A. (Texas, New Mexico, Kansas), Mexico (Sonora).

Subgenus THYRIDANTHRAX Osten Sacken

- Anthrax*, group THYRIDANTHRAX Osten Sacken, 1886: 123. Type-species, *selene* Osten Sacken (Coquillett, 1910: 615). Ref. — Hall, 1970 (rev. N. American spp.).
- DURVILLEI (Macquart), 1840: 65 (1841: 343), pl. 18, fig. 8 (*Anthrax*). Type-locality: Chile, Concepción Prov. Distr. — Chile (Concepción, Antofagasta, Aconcagua, Bío Bío, Curicó, Linares, Malleco, Maule, Ñuble, Santiago, Valparaíso). Ref. — Hall, 1976a: 241.
- FENESTRATOIDES (Coquillett), 1892a: 185 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (w. states), Mexico (Sonora, San Luis Potosí).
- macula* Cole, in Cole & Lovett, 1919: 226 (*Anthrax*). Type-locality: U.S.A., Oregon. Ref. — Hall, 1970: 525.
- HYPOXANTHA (Macquart), 1840: 65 (1841: 343), pl. 21, fig. 8 (*Anthrax*). Type-locality: "Chile". Distr. — Chile (Malleco, Valparaíso, Santiago, Arauco, Linares, Curicó, Coquimbo, Atacama, Colchagua).
- blanchardi* Philippi, 1865: 665 (*Anthrax*). Type-locality: Chile, Coquimbo, Illapel. Ref. — Hall, 1976a: 242.
- MERIDIONALIS Cole, 1923: 292. Type-locality: Mexico, Baja California, Cerralbo Island. Distr. — Mexico (Baja California).
- MURINA (Philippi), 1865: 666 (*Anthrax*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago).
- SELENE (Osten Sacken), 1886: 122 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (s. California, Texas, Arizona), Mexico (Sonora).
- otiosa* Coquillett, 1887b: 182 (*Anthrax*). Type-locality: U.S.A., Arizona. Ref. — Hall, 1970: 531.
- SEMITRISTIS (Philippi), 1865: 665 (*Anthrax*). Type-locality: Chile, Coquimbo, Illapel. Distr. — Chile (Aconcagua, Arauco, Atacama, Bío Bío, Coquimbo, Curicó, Linares, Malleco, Ñuble, O'Higgins, Santiago, Valparaíso).
- semitincta* Schiner, 1868: 124 (*Anthrax*). Type-locality: "Chile".
- semicinctus* Bigot, 1892: 356 (*Glossista*), lapsus. Ref. — Hall, 1976a: 244.

SINI Cole, 1923: 303. Type-locality: Mexico, Baja California, Pond Island Bay. Distr. — Mexico (Baja California).

Subgenus VILLA Lioy

ACRIPPINA (Osten Sacken), 1887: 139, pl. 3, fig. 3 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (w. states), Mexico (Sonora).

ALBICINCTA Cole, 1923: 297. Type-locality: Mexico, Sonora, Guaymas. Distr. — Mexico (Sonora).

ALBICOLLARIS Cole. 1923: 296. Type-locality: Mexico, Baja California, San José Island. Distr. — Mexico (Baja California).

AMASIA (Wiedemann), 1828: 317 (*Anthrax*). Type-locality: Uruguay, Montevideo. Distr. — Uruguay, Argentina.

vicina Macquart, 1840: 75 (1841: 353), pl. 21, fig. 1 (*Anthrax*). Type-locality: Uruguay, from the mouth of Uruguay River to the Misiones. Ref. — Painter & Painter, 1974: 172.

AMBIGUA (Lynch Arribáizaga), 1878: 268 (*Anthrax*). Type-locality: Argentina, Buenos Aires, Baradero. Distr. — Argentina (Buenos Aires).

AQUILA Hall, 1976a: 188. Type-locality: Chile, Tarapacá, 3 km e. Zapahuire. Distr. — Chile (Tarapacá).

ARGENTIFLUA (Philippi), 1865: 668 (*Anthrax*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago, Bío Bío, Valparaíso, Aconcagua, Curicó, Aisén). Ref. — Hall, 1976a: 189.

ARIDITATA Cole, 1923: 285. Type-locality: Mexico, Baja California, Angeles Bay. Distr. — Mexico (Baja California, Sonora).

BABBIVENTRIS (Rondani), 1868: 36 (*Anthrax*). Type-locality: Argentina, Mendoza, Portezuelo de Bonillo. Distr. — Argentina (Mendoza). Ref. — Painter & Painter, 1974: 177.

BIGOTI Hall, 1976a: 191. Type-locality: "Chile". Distr. — Chile (Coquimbo).

CALOPTERA (Philippi), 1865: 670 (*Anthrax*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago, Malleco, Arauco, Bío Bío, Coquimbo, Ñuble, Valparaíso, Concepción).

quadrinicta Philippi, 1865: 667 (*Anthrax*; preocc. Rondani, 1863). Type-locality: Chile, Santiago, Valparaíso and Valdivia.

albissima Oldroyd, 1938: 91. Type-locality: Chile, Santiago, Los Aguirres. Ref. — Hall, 1976a: 192.

CAMPOSI Hall, 1976a: 263. Type-locality: Chile, Tarapacá, Canchones. Distr. — Chile (Tarapacá).

CURVIROSTRIS (Thomson), 1869: 483 (*Anthrax*). Type-locality: Galápagos Islands. Distr. — Galápagos Islands. Ref. — Painter & Painter, 1974: 187.

DETECTA (Walker), 1852: 181 (*Anthrax*). Type-locality: "South America". Distr. — Peru, Chile (Valparaíso, Bío Bío, Coquimbo, Santiago, Malleco, Ñuble, Maule, Aconcagua, O'Higgins).

- bipenicillatus* Eigot, 1892: 357 (*Anthrax*). Type-locality: "Chile". Ref. — Hall, 1976a: 213.
- FAUNA (Fabricius), 1805: 126 (*Anthrax*). Type-locality: "South America". Distr. — Puerto Rico (St. Croix Island), Bahamas Islands (Bimini). Ref. — Painter & Painter, 1974: 210.
- FAUSTINA (Osten Sacken), 1887: 136 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (w. states), Mexico (Sonora). Ref. — Painter & Painter, 1962: 107.
- FESTIVA (Philippi), 1865: 668 (*Anthrax*). Type-locality: Chile, Santiago, Valdivia and Colchagua. Distr. — Chile (Santiago, Colchagua, Valdivia, Curicó, Atacama, Aconcagua, Maule, Coquimbo, Malleco, Valparaíso, Aisén, Arauco, Bío Bío, Cautín, Concepción, Linares, Ñuble, O'Higgins).
- albifacies* Rondani, 1863: 63 (*Anthrax*; preocc. Macquart, 1840). Type-locality: "Chile".
- calvescens* Philippi, 1865: 673 (*Anthrax*). Type-locality: Chile, Colchagua and Aconcagua Provs. Ref. — Hall, 1976a: 194.
- FLAVICINCTA Cole, 1923: 298. Type-locality: Mexico, Sonora, Guaymas. Distr. — Mexico (Sonora).
- FLAVICRURA Hall, 1976a: 197. Type-locality: Chile, Arauco, Cordillera de Nahuelbuta. Distr. — Chile (Arauco, Aconcagua, Aisén, Bío Bío, Curicó, Colchagua, Coquimbo, Malleco, Maule, Magallanes, Santiago).
- FUCATA Hall, 1976a: 198. Type-locality: Chile, Malleco, Nahuelbuta National Park, 35 km w. Angol. Distr. — Chile (Malleco, Curicó, Ñuble).
- FULVIPEDA (Rondani), 1863: 63 (*Anthrax*). Type-locality: "Chile". Distr. — Chile (Arauco, Valdivia, Santiago, Concepción, Ñuble, Maule, Malleco, Valparaíso, Coquimbo, Curicó, Bío Bío, Linares, O'Higgins).
- vulpecula* Philippi, 1865: 668 (*Anthrax*). Type-locality: Chile, Valdivia Prov. Ref. — Hall, 1976a: 200.
- bipartita* Jaennicke, 1867: 338 (1868: 30) (*Anthrax*). Type-locality: "Chile".
- FUMICOSTA Painter, in Painter & Painter, 1962: 106. Type-locality: U.S.A., Florida. Distr. — U.S.A. (s. states), Mexico (Coahuila).
- GUTTAPENNIS Hall, 1976a: 201. Type-locality: Chile, Malleco, Nahuelbuta National Park, 35 km w. Angol. Distr. — Chile (Malleco, Aisén, Arauco, Colchagua, Santiago).
- HELARI (Macquart), 1840: 75 (1841: 353), pl. 21, fig. 1 (*Anthrax*). Type-locality: Brazil, central Goiás. Distr. — Brazil (Goiás), Argentina (Tucumán). Ref. — Painter & Painter, 1974: 229.
- HYALINIPENNIS (Blanchard), 1852: 382 (*Anthrax*). Type-locality: Chile, Coquimbo. Distr. — Chile (Valparaíso, Bío Bío, Coquimbo, Concepción, Maule, Santiago, Curicó, Aisén). Ref. — Hall, 1976a: 202.
- LATERALIS (Say), 1823: 42 (1859: 59) (*Anthrax*). Type-locality: U.S.A., Maryland. Distr. — U.S.A. (widespread), Mexico (Baja California).



Sonora, Sinaloa, Oaxaca, Nuevo León, Morelos, Guerrero, Puebla, San Luis Potosí, Durango), Panama, Puerto Rico, Bahamas Islands.

ssp. SEMIFULVIPES Painter, in Painter & Painter, 1962: 108 (nom. nov. for *fulvipes* Coquillett). Type-locality: U.S.A., Arizona. Distr. — U.S.A. (w. states), Mexico (Sonora, Oaxaca, Sinaloa, Chiapas, Hidalgo, México, Morelos, Veracruz, Nuevo León), Panama.

fulvipes Coquillett, 1887b: 166 (*Anthrax*; as *alternata*, var.; preocc. Loew, 1860). Type-locality: U.S.A., Arizona.

LINEATA (Walker), 1857: 140 (*Anthrax*). Type-locality: Brazil, Amazon Valley. Ref. — Painter & Painter, 1974: 240.

LAVIA (Osten Sacken), 1887: 139 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona, Texas), Mexico (Sonora). Ref. — Painter & Painter, 1962: 114.

MINERVA (Wiedemann), 1828: 295 (*Anthrax*). Type-locality: Uruguay, Montevideo. Distr. — Uruguay.

costalis Wiedemann, 1828: 299 (*Anthrax*). Type-locality: Uruguay, Montevideo. Ref. — Painter & Painter, 1974: 249.

MISCELLA (Coquillett), 1887b: 171 (*Anthrax*). Type-locality: U.S.A., Washington. Distr. — U.S.A. (w. states), Mexico (Baja California)

MOERENS (Philippi), 1865: 664 (*Anthrax*). Type-locality: Chile, "on journey to Illapel". Distr. — Chile (Santiago). Ref. — Hall, 1976a: 204.

MOLITOR (Loew), 1869: 26 (Cent. 8, n° 42) (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico (Sonora).

MONETA (Osten Sacken), 1887: 138 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona), Mexico (Sonora). Ref. — Painter & Painter, 1962: 116.

MUTUA (Walker), 1849: 256 (*Anthrax*). Type-locality: "Chile". Distr. — Chile (Coquimbo, Aisén, Atacama, Curicó). Ref. — Hall, 1976a: 205.

NIGNICOSTA (Schiner), 1868: 126 (*Anthrax*; preocc. Macquart, 1850). Type-locality: "Chile". Distr. — Chile. Ref. — Hall, 1976a: 261.

NEIDA Cole, 1923: 305. Type-locality: Mexico, Sonora, Tepoca Bay. Distr. — Mexico (Sonora).

OBLIQUA (Macquart), 1834: 410 (*Anthrax*). Type-locality: "Brazil". Distr. — Brazil.

PALIPES (Bigot), 1892: 358 (*Anthrax*). Type-locality: "Chile". Distr. — Chile. Ref. — Hall, 1976a: 208.

PENAI Hall, 1976a: 208. Type-locality: Chile, Arauco, Peillén Pille. Distr. — Chile (Arauco, Curicó, Santiago).

PERIMELE (Wiedemann), 1828: 583 (*Anthrax*). Type-locality: "Brazil". Ref. — Painter & Painter, 1974: 258.

PROXIMA Hall, 1976a: 214. Type-locality: Chile, Santiago, El Canelo. Distr. — Chile (Santiago).

- PSAMMINA Cole, 1960: 118 (nom. nov. for *arenicola* Cole). Type-locality: Mexico, Baja California, San Nicolás Bay. Distr. — U.S.A. (Utah), Mexico (Baja California, Sonora).
- arenicola* Cole, 1923: 294 (preocc. Johnson, 1908). Type-locality: Mexico, Baja California, San Nicolás Bay.
- PUSIO (Macquart), 1840: 76 (1841: 354), pl. 21, fig. 1 (*Anthrax*). Type-locality: "Cuba". Distr. — Cuba. Ref. — Painter & Painter, 1962: 121.
- QUADRICINCTA (Rondani), 1863: 61 (*Anthrax*). Type-locality: "Chile". Distr. — Chile (Santiago, Curicó, Malleco, Ñuble, Arauco, Valdivia, Valparaíso).
- obscuripes* Bigot, 1892: 357 (*Anthrax*). Type-locality: "Chile". Ref. — Hall, 1976a: 209.
- SABINA (Osten Sacken), 1887: 137 (*Anthrax*). Type-locality: Mexico, n. Sonora. Distr. — U.S.A. (Arizona), Mexico (Sonora). Ref. — Painter & Painter, 1962: 121.
- SEJUNCENDA (Rondani), 1863: 62 (*Anthrax*). Type-locality: "South America". Ref. — Painter & Painter, 1974: 274.
- SONORENSIS Cole, 1923: 296. Type-locality: Mexico, Sonora, Guaymas. Distr. — Mexico (Sonora).
- SQUAMIGERA (Coquillett), 1892a: 181 (*Anthrax*). Type-locality: U.S.A., California. Distr. — U.S.A. (California, Arizona), Mexico (Baja California, Sonora).
- TRANSLATA (Walker), 1852: 182 (*Anthrax*). Type-locality: "West Indies". Ref. — Painter & Painter, 1962: 124.
- TRIFIDA Hall, 1976a: 211. Type-locality: Chile, Magallanes, 4 km w. Laguna Amarga. Distr. — Chile (Magallanes).
- VALPARAISENSIS Hall, 1976a: 263. Type-locality: Chile, Valparaíso, Quebrada Verde. Distr. — Chile (Valparaíso).
- VASTITITAS Cole, 1923: 295. Type-locality: Mexico, Baja California, Cerralbo Island. Distr. — Mexico (Baja California).
- VERDENSIS Oldroyd, 1938: 90. Type-locality: Chile, L. Verde. Distr. — Chile. Ref. — Hall, 1976a: 211.
- VITRIPENNIS (Philippi), 1865: 671 (*Anthrax*; preocc. Loew, 1860). Type-locality: Chile, Illapel. Distr. — Chile (Santiago). Ref. — Hall, 1976a: 262.

Subgenus EXHYALANTHRAX Becker

- Villa, subg. EXHYALANTHRAX Becker, 1916: 28. Type-species, *Anthrax vagans* Loew (Bezzi, 1924: 7).
- CORRIGIOLATA (Rondani), 1863: 62 (*Anthrax*). Type-locality: "Chile". Distr. — Chile (Bio Bio, Valparaíso, Aconcagua, Colchagua, Santiago).
- balteata* Philippi, 1865: 673 (*Anthrax*). Type-locality: Chile, Aconcagua and Santiago Provs. Ref. — Hall, 1976a: 221.

- INGLORIA (Philippi), 1865: 674 (*Anthrax*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago, Tarapacá).
- pusio* Philippi, 1865: 674 (*Anthrax*; preocc. Macquart, 1840). Type-locality: Chile, Santiago. Ref. — Hall, 1976a: 224.
- LEUCOMALLA (Philippi), 1865: 672 (*Anthrax*). Type-locality: "Chile". Distr. — Chile (Valparaiso, Coquimbo). Ref. — Hall, 1976a: 225.
- NIGROCRURA Hall, 1976a: 226. Type-locality: Chile, Santiago, Quebrada de la Plata. Distr. — Chile (Santiago, Valparaiso).
- PRAETERITA Oldroyd, 1938: 88. Type-locality: Chile, Valparaiso, Las Mercedes. Distr. — Chile (Valparaiso, Coquimbo, Santiago). Ref. — Hall, 1976a: 228.
- UNA Oldroyd, 1938: 88. Type-locality: Chile, Valparaiso, Marga Marga. Distr. — Chile (Valparaiso). Ref. — Hall, 1976a: 228.

Unplaced species of VILLA

- BISTELLA (Walker), 1850: 97 (*Anthrax*). Type-locality: Brazil, Pará.
- CREPUSCULARIS (Lynch Arribáizaga), 1878: 271 (*Anthrax*). Type-locality: Argentina, Buenos Aires, Baradero and Chascomús.
- DIMINUTIVA (Macquart), 1846: 241 (1846: 113) (*Anthrax*). Type-locality: "Colombia". Ref. — Painter & Painter, 1974: 198.
- GRADATA (Macquart), 1847: 69 (1847: 53) (*Anthrax*). Type-locality: "Colombia". Ref. — Painter & Painter, 1974: 227.
- IOPTERA (Wiedemann), 1828: 565 (*Anthrax*). Type-locality: "Brazil". Ref. — Painter & Painter, 1974: 235.
- LATIFIMBRIA (Walker), 1852: 175 (*Anthrax*). Type-locality: "Colombia".
- MINIATA Oldroyd, 1938: 89. Type-locality: Argentina, La Rioja, Patquia.
- NIGRITA (Wiedemann), 1828: 320 (*Anthrax*). Type-locality: "Erazil".
- PENINSULARIS Cole, 1923: 304. Type-locality: Mexico, Baja California, Angeles Bay.
- PUDICA (Lynch Arribáizaga), 1878: 275 (*Anthrax*). Type-locality: Argentina, Buenos Aires, Baradero and Las Conchas.
- melaleuca* Wiedemann of Lynch Arribáizaga, 1878: 269, misident.
- SOLITA (Walker), 1857: 140 (*Anthrax*). Type-locality: Brazil, Amazon Valley.
- SUBAEQUALIS (Lynch Arribáizaga), 1878: 267 (*Anthrax*). Type-locality: Argentina, Buenos Aires, Baradero.
- VANDUZEEI Cole, 1923: 306. Type-locality: Mexico, Sonora, San Pedro Bay.
- VICINA (Macquart), 1846: 240 (1846: 112) (*Anthrax*; preocc. Macquart, 1840). Type-locality: "Colombia".

Genus CYANANTHRAX Painter

- CYANANTHRAX Painter, 1959: 73. Type-species, *Anthrax cyanoptera* Wiedemann (orig. des.).



CYANOPTERA (Wiedemann), 1830: 638 (*Anthrax*). Type-locality: "Mexico".
Distr. — Mexico (Guerrero, Jalisco, Morelos, Michoacán, Puebla, Oaxaca, México). Ref. — Painter, 1959: 73.

Genus DEUSOPORA Hull

DEUSOPORA Hull, 1971a: 1. Type-species, *sapphirina* Hull (orig. des.).

SAPPHIRINA Hull, 1971a: 1. Type-locality: Brazil, Santa Catarina, Nova Teutônia.

Genus HYPERALONIA Rondani

HYPERALONIA Rondani, 1863: 58. Type-species, *Anthrax erythrocephala* Fabricius (Coquillett, 1910: 554). Ref. — Painter & Painter, 1968b.

ATRA Painter, in Painter & Painter, 1968b: 110. Type-locality: Argentina, Salta, San Carlos. Distr. — Argentina (Salta).

CHILENSIS Rondani, 1863: 59. Type-locality: "Chile". Distr. — Chile (Aconcagua, Arauco, Cautín, Coquimbo, Concepción, Curicó, Malleco, Maule, Ñuble, Santiago, Valparaíso). Ref. — Painter & Painter, 1968b: 110.

MORIO (Fabricius), 1775: 797 (*Stomoxys*). Type-locality: "Brazil". Distr. — Southern South America, overlapping with *erythrocephala* in the Amazon Valley — Brazil (Amazonas south to Rio Grande do Sul), Bolivia, Paraguay, Uruguay, Argentina (south to Río Negro), Chile (Coquimbo). Ref. — Painter & Painter, 1968b: 112.

ssp. ERYTHROCEPHALA (Fabricius), 1805: 118 (*Anthrax*). Type-locality: "South America". Distr. — Northern South America, overlapping with *morio* in most areas of Brazil — Venezuela, Guyana, Surinam, French Guiana, Brazil (Pará, Maranhão, Rio Grande do Norte, Ceará, Bahia, Mato Grosso, Rio de Janeiro, São Paulo).

flaviceps Guérin-Ménéville, 1844: 539 (*Anthrax*). Type-locality: "South America". Ref. — Painter & Painter, 1968b: 116.

coeruleiventris Macquart, 1846: 237 (1846: 109), pl. 9, fig. 9 (*Exoprosopa*). Type-locality: "Brazil".

SURINAMENSIS Rondani, 1863: 58. Type-locality: "Surinam". Distr. — Surinam, Guyana, Colombia, Ecuador, Peru, Brazil (Amazonas, Pará, Mato Grosso, Bahia, São Paulo). Ref. — Painter & Painter, 1968b: 117.

Genus OESTRIMYZA Hull

OESTRIMYZA Hull, 1973: 411. Type-species, *fenestrata* Hull (orig. des.).

FENESTRATA Hull, 1973: 411. Type-locality: "Brazil". Distr. — Brazil.

UNPLACED BOMBYLIIDAE

HYALINUS Fabricius, 1805: 134 (*Bombylius*). Type-locality: "South America". Ref. — Painter & Pinter, 1974: 44 (descr. of type, as *Sparnopolius*). Probably represents a new genus.

- HYALIPENNIS Macquart, 1846: 245 (1846: 117) (*Bombylius*). Type-locality: "Colombia".
- PLUMIPES Drury, 1773: 74, pl. 39, fig. 3 (*Bombylius*). Type-locality: "Jamaica".

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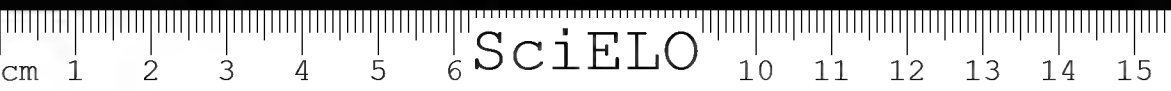
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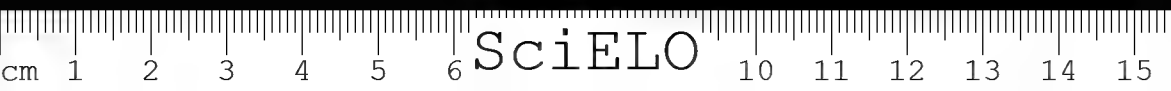
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<i>Platygaster</i> Zetterstedt, 1838	38.13
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<i>vitripennis</i> (Philippi), 1865 (<i>Anthrax</i>), <i>Villa</i> (<i>Villa</i>)	38.56
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<i>vulpeculus</i> Coquillett, 1894, <i>Aphoebantus</i>	38.26
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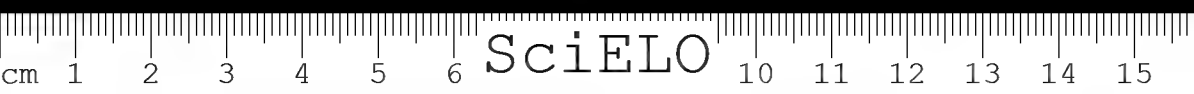
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SUPERFAMILY EMPIDOIDEA

Family Empididae

Family Dolichopodidae





SciELO

DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

39

FAMILY EMPIDIDAE

(EMPIDAE, HYBOTIDAE)

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The Empididae is a large family of predaceous flies exhibiting great variety of form and habit. The immature stages are not well known but of those recently described outside the Neotropical region some are aquatic (e.g. Clinoceratinae, Vaillant, 1952), some occur in soil (e.g. Empidinae, Krivosheina, 1960; Hobby & Smith, 1961-2) or rotting wood or rarely in dung (*Ocydromia*, Grunin, 1953). The larvae as well as the adults appear to be predaceous. Adults mostly prey on any available insect food of suitable size, usually other Diptera. Some genera may specialise, but often apparent specialisation in taking a particular type of prey is merely due to excessive abundance of that prey at the time and place of sampling. The prey is often used by the male as a courtship gift to the female who feeds on it during copulation. The prey may be contained within a balloon or web of silk (e.g. *Empimorpha*, *Hilara*). Sometimes inedible prey is offered to the female, such as plant seeds or empty balloons or webs of silk which nevertheless appear to play an essential part in courtship behaviour, probably functioning as "releasers". Some species form dancing swarms; the genus *Hilara* does so over water where it preys upon insects trapped in the surface film. Some *Hormopeza* species swarm in smoke, a phenomenon not yet fully understood (Kessel, 1960). It is interesting to note that the Platypezid genus *Microsania*, which also swarms in smoke, was formerly placed in the Empididae. Papers on courtship and predaceous behaviour are given in the literature cited under the following authors: Crane, Eltringham, Gruhl, Hamm, Hobby & Smith, and Laurence.

The Empididae are of world wide distribution, but are best represented in the Northern temperate or mountain regions. Outside the Palaearctic region our knowledge of the Empididae is very incomplete and there is little doubt that many species await description in the Neotropical region. Some 645 species and subspecies in 57 genera are now listed from a study of the literature up to September 8th 1965. Some new synonymy and new combinations are established.

39.1

For information on some nomenclatorial matters I thank Messrs. Curtis W. Sabrosky and George Steyskal. I thank my wife for her careful preparation and checking of the final typescript.

Subfamily TACHYDROMIINAE

Genus DRAPETIS Meigen

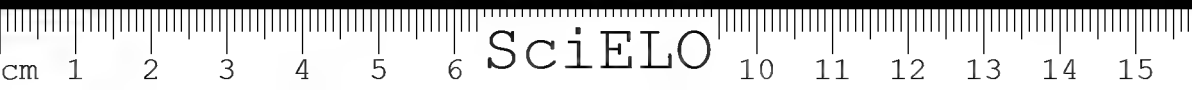
DRAPETIS Meigen, 1822:91. Type-species, *erilis* Meigen (mon.).

Subgenus DRAPETIS Meigen

- DIVERGENS Loew, 1872:90. Type-locality: S. United States, Texas. Distr. — S. United States, Central America, Windward Isles (St. Vincent).
minuta Williston, 1896:442, fig. 168. Type-locality: Windward Isles, St. Vincent.
- FLAVICORNIS Melander, 1918:193. Type-locality: Panama, La Chorrera. Distr. — Panama (La Chorrera), ? Jamaica.
- FORTIS Bezzi, 1909b:399. Type-locality: Peru, Puerto Bermúdez, Pichi River, 300 m. Distr. — Peru (Puerto Bermúdez).
- INTERMEDIA Smith, 1962:201, fig. 11. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- ?OBSCURIPENNIS Philippi, 1865:768. Type-locality: Chile, Valdivia. Distr. — Chilo (Valdivia). Ref. — Collin, 1933:19.
- PROCURRENS Melander, 1927:309. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- sp.* (near *divergens* Loew) Collin, 1933:19. Locality: Uruguay, Montevideo.
- ZONALIS Curran, 1932:351. Type-locality: Galapagos Is., Floreana, Post Office Bay. Distr. — Galapagos (Floreana).

Subgenus CROSSOPALPUS Bigot

- CROSSOPALPUS Bigot, 1857:563 (as genus). Type-species, *Platypalpus ambiguus* Macquart (mon.) = *flexuosa* Loew.
- Drapetis*, subgenus *Eudrapetis* Melander, 1918:187. Type-species, *spectabilis* Melander (orig. des.).
- ARMIPES (Bezzi), 1909b:398, fig. 18 (*Drapetis* s. s.). Type-locality: Chile, Tacna, 600 m. Distr. — Chile (Tacna).
- DORSISETA (Melander), 1918:199 (*Eudrapetis*). Type-locality: Costa Rica, Juan Viñas. Distr. — Costa Rica (Juan Viñas).
- FEMORALIS (Wheeler & Melander), 1901:376 (*Drapetis*). Type-locality: Mexico, Vera Cruz and Tabasco. Distr. — Mexico (Vera Cruz, Tabasco).
- GILVIPES (Loew), 1872:89 (*Drapetis*). Type-locality: U.S.A., Texas. Distr. — U.S.A. (Texas), Puerto Rico (Cayey).



- INERMIS (Melander), 1918:194 (*Eudrapetis*). Type-locality: Panama, Alhajuela. Distr. — Panama (Alhajuela).
- NTENS (Melander), 1918:200 (*Eudrapetis*). Type-locality: Cuba, Havana; Mexico, Orizaba. Distr. — Cuba (Havana), Mexico (Orizaba), ?Panama (Aguada).
- OEDIMERA (Melander), 1918:201 (*Eudrapetis*). Type-locality: Mexico, Vera Cruz, Cordoba. Distr. — Mexico (Vera Cruz, Cordoba).
- PENNESEENS (Melander), 1918:202 (*Eudrapetis*). Type-locality: Peru, Matucana. Distr. — Peru (Matucana).
- PERPLEXA Smith, 1962:201. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- PLUMIPES (Melander), 1918:203 (*Eudrapetis*). Type-locality: U.S.A., Texas, Austin. Distr. — U.S.A. (Texas, Alabama), Mexico (Orizaba).
- QUADRISETOSA (Melander), 1918:203 (*Eudrapetis*). Type-locality: Costa Rica, San José; Mexico, Orizaba. Distr. — Mexico (Orizaba), Costa Rica (San José).
- SEPTENTRIONALIS Melander, 1902:211. Type-locality: U.S.A., Michigan. Distr. — U.S.A. (Washington to Vermont, south to Virginia).
var. *mexicana* (Melander), 1918:204 (*Eudrapetis*). Type-locality: Mexico, Tampico. Distr. — Mexico (Tampico).
- sp.* (near *xanthopoda* Williston) Williston, 1896:443. Locality: Windward Isles, St. Vincent.
- XANTHOPODA (Williston), 1896:308, pl. 4, fig. 85 (*Drapetis*). Type-locality: Windward Isles, St. Vincent. Distr. — Windward Isles, St. Vincent.
flavipes Williston (*nec* Macquart), 1896:441 (*lapsus calami*). Ref. — Melander, 1902:212.

Subgenus ELAPHROPEZA Macquart

- ELAPHIROPEZA Macquart, 1827:86 (as genus). Type-species, *Tachydromia ephippiata* Fallén (mon.).
- ABBREVIATA Smith, 1962:204, fig. 12. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- ACUMINATA Smith, 1962:206. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- BACIS (Walker), 1849:510 (*Platypalpus*). Type-locality: "Jamaica". Distr. — Jamaica.
- BARUERI Smith, 1962:206. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo, Barueri).
- BISETICAUDA Smith, 1963:153, fig. 1. Type-locality: British Guiana, Mazaruni. Distr. — British Guiana (Mazaruni).
- CALVA Melander, 1918:206. Type-locality: Panama, Corazal; Mexico, Vera Cruz, Motzorongo. Distr. — Mexico (Vera Cruz, Motzorongo), Panama (Corazal).
- CHILATOCOSTA Bezzi, 1904a:355, fig. 6. Type-locality: Australia, Brisbane. Distr. — Australia, ? Bolivia (Bezzi, 1909b).

- COMATA Melander, 1918:207. Type-locality: West Indies, Trinidad. Distr. — West Indies (Trinidad), Brazil (São Paulo).
- FLAVIDA (Williston), 1896:308, pl. 11, fig. 86 (*Drapetis*). Type-locality: Windward Isles, St. Vincent. Distr. — U.S.A. (Louisiana), Mexico (Vera Cruz, Orizaba, Yucatan), Hayti, St. Vincent, Puerto Rico, Brazil (Taipu), Peru (Meshagua). Ref. — Smith, 1962:203.
fulvida Bezzi, 1904b:144 (*Tachista*) (err. typ. for *flavida* Williston).
xanthopodus Williston, 1896:441 (*lapsus calami*).
- INFLEXA Melander, 1918:207. Type-locality: Panama, Canal Zone. Distr. — Panama.
- LAETA Melander, 1918:208. Type-locality: Panama, Alhajuela. Distr. — Panama (Alhajuela).
 var. *ungulifera* Melander, 1918:208. Type-locality: Panama, Corozal.
 var. *nigrocalcarata* Melander, 1918:208. Type-locality: Panama, Alhajuela.
- LENKOI Smith, 1962:207. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo, Barueri).
- LUTEICOLLIS Melander, 1918:209. Type-locality: Panama, Canal Zone. Distr. — Panama (Canal Zone).
- MACROPALPIS Smith, 1962:203, fig. 13. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- MARGINATA Smith, 1962:204. Type-locality: Brazil, São Paulo, Barueri, Distr. — Brazil (São Paulo, Barueri).
- MAZARUNI Smith, 1963:154, fig. 2. Type-locality: British Guiana, Mazaruni. Distr. — British Guiana (Mazaruni).
- MONOCHAETA (Bezzi), 1909b:401 (*Ctenodrapetis*). Type-locality: Peru, Umahuankiali, 500 m. Distr. — Peru (Umahuankiali).
- NIGRICANS Melander, 1918:209. Type-locality: Panama, Canal Zone, Corozal. Distr. — Panama (Corozal).
- NIGRINOTUM Smith, 1962:205. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- PLEURALIS Melander, 1918:210. Type-locality: Panama, Alhajuela; Mexico, Vera Cruz, Orizaba. Distr. — Mexico (Vera Cruz, Orizaba). Panama (Alhajuela).
- PLUMEA Melander, 1918:210. Type-locality: Mexico, Orizaba. Distr. — Mexico (Orizaba).
- RECTINEURA Melander, 1918:211. Type-locality: Panama, Taboga I. and Corozal. Distr. — Panama [Panama (Taboga I. and Corozal)], Brazil (São Paulo, Andes).
- SANGUINEA (Lynch Arribáizaga), 1878:294 (*Tachydromia*). Type-locality: Argentina, Buenos Aires. Distr. — Argentina (Buenos Aires).
- SEMINIGRA Melander, 1918:211. Type-locality: Costa Rica, San José. Distr. — Costa Rica (San José).
- SIMILIS Smith, 1963:155, fig. 3. Type-locality: British Guiana, Tukeit. Distr. — British Guiana (Tukeit).



- SIMPLICIPES Melander, 1918:212. Type-locality: Jamaica, Montego Bay. Balaclava. Distr. — Jamaica (Montego Bay, Balaclava).
- sp. Collin, 1933:21. Locality: N. Argentina, Misiones, Bompland.
- TENERA Melander, 1918:212. Type-locality: Panama, Porto Bello; Trinidad, Montserrat. Distr. — Panama (Porto Bello), Trinidad (Montserrat).
- UNIVITTATA Smith, 1962:205. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- UPSILON Melander, 1918:214. Type-locality: "Jamaica". Distr. — Jamaica.
- VITTATA Melander, 1918:214. Type-locality: Florida, Lemon City; Cuba, Havana. Distr. — U.S.A. (Florida), Cuba (Havana).

Genus ALLODROMIA Smith

- ALLODROMIA Smith, 1962:207. Type-species, *brunnea* Smith (orig. des.).
- BRUNNEA Smith, 1962:208, figs. 7-9. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- CURVIRADIUS Smith, 1962:208, figs. 5-6. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).

Genus MICREMPIS Melander

- MICREMPIS Melander, 1927:271, 298. Type-species, *varipes* Melander (orig. des.).
- VARIPIES Melander, 1927:299. Type-locality: Peru, Lima District, Matucana. Distr. — Peru (Lima District).

Genus AUSTRODROMIA Collin

- AUSTRODROMIA Collin, 1933:21. Type-species, *indifferens* Collin (orig. des.).
- BREVISSETA Smith, 1962:210. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- COLLINI Smith, 1962:210, fig. 10. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- FURCATICAUDA Collin, 1933:24, fig. 4c. Type-locality: Chile, Llanquihue, Peulla. Distr. — Chile (Llanquihue).
- INDIFFERENS Collin, 1933:23, figs. 4a-b. Type-locality: Argentina, Rio Negro, L. Correntoso. Distr. — Argentina (Rio Negro).
- POLYCHAETA Smith, 1962:209. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- TALARIS Collin, 1933:32. Type-locality: Chile, Chiloe I., Mechuque I. Distr. — S. Chile (Chiloe I., Mechuque I.).
- ?VALDIVIANA (Philippi), 1865:768 (*Drapetis*). Type-locality: "Chile". Distr. — Chile.

Genus *CHERSODROMIA* Walker

- CHERSODROMIA* Walker, 1851:137. Type-species, *Tachypeza brevipennis* Zetterstedt (Rondani, 1856:147) = *arenaria* (Haliday).
Coloboneura Melander, 1902:229. Type-species, *inusitata* Melander (mon.).
Halsanolotes Becker, 1902:41. Type-species, *amaurus* Becker (mon.).
Thinodromia Melander, 1906:370. Type-species, *inchoata* Melander (mon.).
LONGICORNIS (Curran), 1931:11 (*Coloboneura*). Type-locality: Panama, Patilla Point. Distr. — Panama (Patilla Point). Ref. — Curran, 1931:1 (key to American species).

Genus *TACHYDROMIA* Meigen

- Sicus* Latreille, 1796:158 (preocc. Scopoli, 1763). Type-species, *Musca cimicoides* Fabricius (sub. mon., Latreille, 1805:312) = *arrogans* (Linnaeus).
Coryneta Meigen, 1800:27. Type-species, *Tachydromia connexa* Meigen (Coquillett, 1910:528). Suppressed by I.C.Z.N., 1963:339.
TACHYDROMIA Meigen, 1803:269. Type-species, *Musca cimicoides* Fabricius (Curtis, 1833: pl. 477; misident.) = *connexa* Meigen.
Sicodus Rafinesque, 1815:131 (n. name for *Sicus* Latreille). Type-species, *Musca cimicoides* Fabricius (aut.) = *arrogans* (Linnaeus).
Phoneutisca Loew, 1863:19 (Cent. 3, no. 35). Type-species, *bimaculata* Loew (mon.).
Tachista Loew, 1864:15 (as *Tachysta*, p. 19). Type-species, *Musca cimicoides* Fabricius (as Meigen; Coquillett, 1903:258; misident.) = *connexa* Meigen.
CILIATA Melander, 1910:55, fig. 13. Type-locality: Mexico, Guerrero, Chilpancingo, 4600 ft. and Sierra de las Aguas Escondidas, 9500 ft. Distr. — Mexico (Guerrero, Chilpancingo, Sierra de las Aguas Escondidas).
SACHEM Melander, 1927:283. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica (Turrialba).

Genus *PLATYPALPUS* Macquart

- PLATYPALPUS* Macquart, 1827:92. Type-species, *Musca cursitans* Fabricius (Westwood, 1840:132).
Tachydromia, authors, not Meigen.
ANNULARIS (Bezzi), 1909b:404 (*Tachydromia*). Type-locality: Peru, Cuzco, 3500 m. Distr. — Peru (Cuzco).
ANTENNALIS (Smith), 1962:198, fig. 4 (*Tachydromia*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia). N. COMB.
CALIGARIS Melander, 1927:217. Type-locality: Mexico, Guerrero, Omilteme and Amula, 6000-8000 ft. Distr. — Mexico (Guerrero, Omilteme and Amula). (Nom. nov. for *Platypalpus caligatus* var. Melander).



- trivialis* Wheeler & Melander, 1901:375 (nec Loew, 1864) (in partibus).
caligatus var. Melander, 1902:217.
- CALIGATUS Melander, 1902:216, figs. 27, 35, 46. Type-locality: Mexico, Guerrero, Omilteme and Amula, 6000-8000 ft. Distr. — Mexico (Guerrero, Omilteme and Amula).
- trivialis* Wheeler & Melander, 1901:375 (nec Loew, 1864) (in partibus).
- CHILENSIS Philippi, 1865:767. Type-locality: Chile, Santiago. Distr. — Chile (Santiago, Casa Pangue, Peulla), Argentina (Bariloche). Ref. — Collin, 1933:15.
- EUMERUS (Bezzi), 1909b:404 (*Tachydromia*). Type-locality: Peru, Tarma, 3000 m. Distr. — Peru (Tarma).
- MOLLITUS (Collin), 1933:17, fig. 2a (*Tachydromia*). Type-locality: Argentina, Rio Negro, L. Correntoso. Distr. — Argentina (Rio Negro, L. Correntoso). N. COMB.
- ORPHINUS (Collin), 1933:15, fig. 2 (*Tachydromia*). Type-locality: Argentina, Rio Negro, L. Gutierrez. Distr. — Chile (Casa Pangue, Angol), Argentina (Rio Negro, L. Gutierrez). N. COMB.
- PAPILLATUS (Collin), 1933:17, fig. 2d (*Tachydromia*). Type-locality: Argentina, Rio Negro, L. Correntoso. Distr. — Argentina (Rio Negro, L. Correntoso). N. COMB.
- PAULSENI (Philippi), 1865:768 (*Tachydromia*). Type-locality: "Chile". Distr. — Chile.
- PERSEPHONE (Collin), 1933:14, fig. 1c (*Tachydromia*). Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I.). N. COMB.
- PICZIPENNIS (Bezzi), 1909b:402, fig. 19 (*Tachydromia*). Type-locality: Peru, Tarma. Distr. — Peru (Tarma), ? Costa Rica, Brazil (Santa Catarina). Ref. — Smith, 1962:197 (key).
- PLUTO Melander, 1902:217, pl. 6, fig. 39. Type-locality: U.S.A., California, San Diego Co. Distr. — U.S.A. (California), Peru (Coroico).
- PROSERPINA (Bezzi), 1909b:405 (*Tachydromia*). Type-locality: Peru, Cuzco, 3500 m.; Bolivia, Cordillera, 4000-5000 m. Distr. — Peru (Cuzco), Bolivia (Cordillera), Argentina (L. Correntoso, L. Nahuel Huapi, Puerto Blest). Ref. — Collin, 1933:13, figs. 1a-b (antenna, male genitalia).
- QUADRIMACULATUS (Smith), 1962:199, figs. 1-2 (*Tachydromia*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia). N. COMB.
- QUADRISETA (Collin), 1933:15 (*Tachydromia*). Type-locality: Chile, Casa Pangue. Distr. — Chile (Casa Pangue). N. COMB.
- sp. (? near *testacea* Philippi) Smith, 1962:198 (*Tachydromia*). Locality: Brazil, Santa Catarina, Nova Teutônia.
- TESTACEUS Philippi, 1865:767. Type-locality: Chile, Santiago. Distr. — Brazil (Santa Catarina, Nova Teutônia), Chile (Santiago), Argentina (Bariloche, L. Gutierrez).
- semifulvus* Bigot, 1889:129 (*Microphorus*). Type-locality: "Chile".

UNCINATUS Melander, 1927:324. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

W-MACULATUS (Smith), 1962:199, fig. 3 (*Tachydromia*). Type-locality: Brazil, Minas Gerais, Sapucaí-Mirim, Cidade Azul, 1400m. Distr. — Brazil (Minas Gerais, Sapucaí-Mirim). N. comb.

Genus TACHYEMPIS Melander

TACHYEMPIS Melander, 1927:288. Type-species, *agens* Melander (orig. des.).

ADUNCA Collin, 1933:25, figs. 5a-c. Type-locality: Chile, Puerto Varas. Distr. — Chile (Puerto Varas).

APICIS (Williston), 1896:442, pl. 16, fig. 167 (*Drapetis*). Type-locality: Windward Is., St. Vincent. Distr. — Windward Is. (St. Vincent, Grenada).

insularis Melander, 1910:58, fig. 17 (*Tachydromia*). Type-locality: Windward Is., Grenada.

CAPNODES Melander, 1927:280. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

EPIBOSCA Melander, 1927:291. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

GAGATINA Melander, 1927:289. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

HALTERATA Melander, 1927:292. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

LONGISPINA Melander, 1927:289. Type-locality: Cuba, Havana. Distr. — Cuba (Havana).

MELANDERI Smith, 1962:211. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).

NIGRA Melander, 1927:288. Type-locality: Costa Rica, La Suiza de Turrialba and San José. Distr. — Costa Rica (La Suiza de Turrialba, San José), Brazil (Santa Catarina, Nova Teutônia). Ref. — Smith, 1962:211 (key).

PICTIPES Melander, 1927:290, pl. 4, fig. 35. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

PURPURIPALPIS Smith, 1962:211. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).

RUFICORNIS Melander, 1927:291. Type-locality: Costa Rica, Cachi, 3450 ft. Distr. — Costa Rica (Cachi).

SCHILDI Melander, 1927:289. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

SIMPLICIOR (Wheeler & Melander), 1901:375 (*Phoneutisca*). Type-locality: Mexico, Guerrero, Chilpancingo, 4600 ft. Distr. — Mexico (Guerrero, Chilpancingo).

TETRACHAETA Melander, 1927:291. Type-locality: Chile, Concepción. Distr. — Chile (Concepción).

Subfamily HYBOTINAE

Genus HOMALOCNEMIS Philippi

HOMALOCNEMIS Philippi, 1865:752. Type-species, *nigripennis* Philippi (mon.).

NIGRIPENNIS Philippi, 1865:752. Type-locality: "Chile". Distr. — Chile. Ref. — Collin, 1933:29, figs. 6a-c (wing, male genitalia and female ovipositor).

PRAESUMPTA Collin, 1933:31. Type-locality: Chile, Chiloe I., Ancud. Distr. — Chile (Ancud, Ensenada).

Genus ACARTEROPTERA Collin

ACARTEROPTERA Collin, 1933:32. Type-species, *recta* Collin (orig. des.).

LICINA Collin, 1933:34. Type-locality: Chile, Marga-Marga. Distr. — Chile (Marga-Marga).

RECTA Collin, 1933:32, figs. 7a-c. Type-locality: Chile, Chiloe I., Mechuque I. Distr. — Chile (Chiloe I., Mechuque I.).

Genus SYNECHES Walker

Damalis Fabricius, 1805:147. Type-species, *curvipes* Fabricius (Westwood, 1835:684). [Fabricius described two Empids and two Asilids in *Damalis* and while Westwood's designation is quite valid, *Damalis* has been used in Asilidae, but uniformly ignored by workers on Empididae. In the interests of stability I agree with Hull (1962, Robber flies of the world, p. 53) and suggest that a recommendation be put before the I.C.Z.N. that Westwood's designation be invalidated].

SYNECHES Walker, 1852:165. Type-species, *simplex* Walker (mon.) = *phthia* (Walker).

Pterospilus Rondani, 1856:152. Type-species, *Hybos muscarius* Fabricius (mon.).

Syneches, subgenus EPICEIA Walker, 1860:149 (as genus). Type-species, *ferruginea* Walker (mon.).

Syneches, subgenus HARPAMERUS Bigot, 1859:306 (as genus). Type-species, *signatus* Bigot (mon.).

ANNULIPES Bezzi, 1909b:316. Type-locality: Bolivia, Mapiri, San Carlos, 800-1200 m. Distr. — Bolivia (Mapiri, San Carlos).

BARYPTERUS Melander, 1927:40. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

CATARINAE Smith, 1962:215, fig. 16. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).

CURVINEURA Melander, 1927:41. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica (Turrialba).

CURVIPES (Fabricius), 1805:147 (*Damalis*). Type-locality: "South America". Distr. — British Guiana (Kartabo, Moraballi Creek, Kaieteur). Ref. — Smith, 1963:155, fig. 4 (male genitalia).

- DICHOGENUS Melander, 1927:41. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica (Turrialba).
- DICHIROUS Bezzi, 1909b:318. Type-locality: Bolivia, Mapiri, San Antonio, 1000 m. Distr. — Bolivia (Mapiri, San Antonio).
- DUPLEX Melander, 1927:41. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- FUSCESCENS Bezzi, 1909b:319. Type-locality: Bolivia, Mapiri, Sarampiuni, 700 m. Distr. — Bolivia (Mapiri, Sarampiuni).
- INVERSUS Curran, 1928b:20. Type-locality: Jamaica, Cinchona. Distr. — Jamaica (Cinchona).
- LONGIVENTRIS Melander, 1927:42. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- LUTEUS (Wiedemann), 1830:647 (*Hybos*). Type-locality: "Brazil". Distr. — "Brazil".
- MANAOS Smith, 1962:215, fig. 17. Type-locality: Brazil, Amazonas, Manaus. Distr. — Brazil (Amazonas, Manaus).
- MORABALLI Smith, 1963:155. Type-locality: British Guiana, Essequibo River, Moraballi Creek. Distr. — British Guiana (Moraballi Creek).
- ORELISCUS Bezzi, 1909b:315. Type-locality: Bolivia, Lorenzopata, 2000-2500 m; Peru, Chanchamayo, 800 m. Distr. — Bolivia (Lorenzopata), Peru (Chanchamayo).
- PHAEOPTERUS Bezzi, 1905:427. Type-locality: Peru, Callanga. Distr. — Peru (Callanga). Ref. — Bezzi, 1909b:315 (key).
- PLANICEPS Melander, 1927:43. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica (Turrialba).
- PUSILLUS Loew, 1861b:320. Type-locality: U.S.A., Chicago, New York. Distr. — U.S.A. (Chicago, New York), Puerto Rico (Barros).
- PYRAMIDATUS Bezzi, 1905:428. Type-locality: Peru, Callanga. Distr. — Peru (Callanga, Chanchamayo), Brazil (Santa Catarina, Nova Teutônia). Ref. — Smith, 1962:213, fig. 14 (profile of thorax).
- QUADRANGULARIS Wheeler & Melander, 1901:374. Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico (Tabasco, Teapa). Ref. — Bezzi, 1909b:314 (key).
- QUADRICINCTUS (Fabricius), 1805:148 (*Damalis*). Type-locality: "South America". Distr. — "South America".
- REPLETUS Bezzi, 1909b:317. Type-locality: Peru, Pichis River, Puerto Bermúdez, 300 m. Distr. — Peru (Pichis River, Puerto Bermúdez).
- RUFICOLLIS (Walker), 1852:206 (*Hybos*). Type-locality: "Brazil". Distr. — "Brazil".
- STIGMATICALIS Bezzi, 1909b:316. Type-locality: Bolivia, Mapiri, San Carlos, 800-1200 m. Distr. — Bolivia (Mapiri, San Carlos).
- TOMENTOSUS Smith, 1962:216. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).



WALKERI Smith, 1962:214, fig. 15. Type-locality: Brazil, Rio de Janeiro, km 47 of the old road between Rio and São Paulo. Distr. — Brazil (Rio de Janeiro).

Genus HYBOS Meigen

- ?*Noeza* Meigen, 1800:27. Type-species, *Musca grossipes* Linnaeus (Coquillett, 1910:576). Suppressed by I.C.Z.N., 1963:339.
- HYBOS Meigen, 1803:269 (1804:239). Type-species, *funnebris* Fabricius (Curtis, 1837: pl. 661) = *grossipes* (Linnaeus).
- HALTERALIS Bezzi, 1909b:310. Type-locality: Bolivia, Cordillera, 4000-5000 m. Distr. — Bolivia (Cordillera).
- LURIDUS Bezzi, 1909b:310. Type-locality: Bolivia, Mapiri, Lorenzopata. 2000-2500 m. Distr. — Bolivia (Mapiri, Lorenzopata).
- MELLIPES Wheeler & Melander, 1901:373. Type-locality: Mexico, Guerrero, Omilteme, 8000 ft. Distr. — Mexico (Guerrero, Omilteme).
- NEOTROPICUS Bezzi, 1905:426. Type-locality: Peru, Callanga; Bolivia, Cillutincara. Distr. — Peru (Callanga), Bolivia (Cillutincara).
- SCIAPTERUS Melander, 1927:23. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- SPINICOSTA Wheeler & Melander, 1901:374. Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas, 9500 ft. Distr. — Mexico (Guerrero, Sierra de las Aguas Escondidas).
- TYPICUS Wheeler & Melander, 1901:373. Type-locality: Mexico, Guerrero, Omilteme and Sierra de las Aguas Escondidas, 8000-9500 ft. Distr. — Mexico (Guerrero, Omilteme and Sierra de las Aguas Escondidas).
- XANTHOPODUS Melander, 1927:24. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

Genus EUHYBUS Coquillett

EUHYBUS Coquillett, 1895:437. Type-species, *Hybos purpureus* Walker (Coquillett, 1903:250).

Euhybos, emend.

- AGENS Curran, 1931:5. Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, Barro Colorado I.).
- ALGENS Curran, 1931:4. Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, Barro Colorado I.).
- ANTIQUUS Curran, 1931:2. Type-locality: Panama, Fort Davis. Distr. — Panama (Fort Davis).
- ARDOPEODES Melander, 1927:31. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- BAKERI (Wheeler & Melander), 1901:372 (as *Hybos triplex* Walker var. *bakeri*). Type-locality: "Mexico". Distr. — Mexico.

- CRASSIPES (Fabricius), 1805:146 (*Hybos*). Type-locality: "South America".
Distr. — "South America".
- DERODACTYLUS Melander, 1927:33. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- DIMIDIATUS (Walker), 1852:205 (*Hybos*). Type-locality: "Brazil". Distr. — Brazil (Pará, Serra do Cachimbo). Refs. — Smith, 1962:217; 1964:50.
- DINOPUS Melander, 1927:31. Type-locality: Mexico, Vera Cruz, San Rafael. Distr. — Mexico (Vera Cruz, San Rafael).
- DONATO Curran, 1931:3. Type-locality: Panama, Canal Zone, Barro Colorado I., Fort Randolph. Distr. — Panama (Canal Zone, Barro Colorado I., Fort Randolph).
- ELECTUS (Melander), 1902:247 (*Hybos*). Type-locality: "Cuba". Distr. — Cuba, Puerto Rico. (Nom. nov. for *dimidiatus* Loew).
dimidiatus Loew, 1861a:36 (*Hybos*) (nec *dimidiatus* Walker, 1852).
Type-locality: "Cuba".
var. *claripennis* Curran, 1928a:25. Type-locality: Puerto Rico, Adjuntas.
- EURYPTERUS (Bezzi), 1909b:306 (*Hybos*). Type-locality: Peru, mouth of the river Pachitea, Puerto Bermúdez, Pichis River; Bolivia, Mapiro, San Carlos and San Ernesto. Distr. — Peru (Pachitea River and Pichis River), Bolivia (Mapiro).
- GRYPHUS Melander, 1927:30. Type-locality: Panama, Canal Zone, Tabernilla. Distr. — Panama (Canal Zone, Tabernilla).
- HALLEXUS Smith, 1963:156, fig. 5. Type-locality: British Guiana, Kaieteur. Distr. — British Guiana (Kaieteur).
- HYALOPTERUS (Bezzi), 1905:425 (*Hybos*). Type-locality: Peru, Vilcanota. Distr. — Peru (Vilcanota).
- LATIPENNIS (Bezzi), 1909b:307 (*Hybos*). Type-locality: Bolivia, San Carlos, Sarampiuni, San Ernesto; Peru, Chanchamayo. Distr. — Bolivia (San Carlos, Sarampiuni, San Ernesto), Peru (Chanchamayo).
- LEPTOGASTER Melander, 1927:33. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- LEPTONEURA Melander, 1927:30. Type-locality: Mexico, Tabasco, Frontera. Distr. — Mexico (Tabasco, Frontera).
- LOEWI (Wheeler & Melander), 1901:372 (as *Hybos triplex* Walker var. *loewi*, listed as species by Melander, 1927:34). Type-locality: "Central America". Distr. — Mexico, Costa Rica.
triplex var. Loew, 1861a:36 (*Hybos*).
- MAKAURIENSIS Smith, 1963:158, fig. 8. Type-locality: British Guiana, Makauria R. Distr. — British Guiana (Makauria R.).
- NEGUNDUS Curran, 1931:5. Type-locality: Panama, Canal Zone, Barro Colorado I., Patilla Point. Distr. — Panama (Canal Zone, Barro Colorado I., Patilla Point).
- OCREATUS Melander, 1927:26. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

- PANAMENSIS Curran, 1931:6. Type-locality: Panama, France Field. Distr. — Panama (France Field).
- PICEUS (Wiedemann), 1830:647 (*Hybos*) (placed in *Lactistomyia* by Melander, 1927). Type-locality: Brazil, Caçapava. Distr. — Brazil. Refs. — Smith, 1962:218; 1964:50, figs. 1-2 (male wing and genitalia).
integer Walker, 1852:205 (*Hybos*). Type-locality: "Brazil".
- PILOSIFORMIS (Bezzi), 1909:308 (*Hybos*). Type-locality: Peru, Ucayali River, Unini, 300 m.; Chanchamayo, 800 m. Distr. — Peru (Ucayali River, Unini and Chanchamayo).
- PILOSUS (Schiner), 1868:202 (*Hybos*). Type-locality: "Colombia". Distr. — Colombia, Bolivia (Mapiri, San Carlos and San Ernesto).
- RICHARDSI Smith, 1963:157, fig. 6. Type-locality: British Guiana, Kaieteur. Distr. — British Guiana (Kaieteur).
- SCHILD Melander, 1927:31. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- SMARTI Smith, 1963:157, fig. 7. Type-locality: British Guiana, Mazaruni. Distr. — British Guiana (Mazaruni).
- SMITHI (Wheeler & Melander), 1901:372 (as *Hybos triplex* Walker var. *smithi*). Type-locality: Mexico, near Vera Cruz. Distr. — Mexico (near Vera Cruz).
- SPINIGER Melander, 1927:32. Type-locality: Jamaica, Linguanea plain; Puerto Rico, Utuado. Distr. — Jamaica (Linguanea plain), Puerto Rico (Utuado).
- SPINOSUS (Curran), 1928a:25 (*Hybos*). Type-locality: Puerto Rico, Adjuntas. Distr. — Puerto Rico (Adjuntas). N. comb.
- STIGMATICUS (Schiner), 1868:202 (*Hybos*). Type-locality: "Colombia". Distr. — Colombia.
- SUBJECTUS (Walker), 1849:486 (*Hybos*). Type-locality: Canada, Ontario, St. Martin's Falls, Albany River, Hudson's Bay. Distr. — E. North America, Ontario to New Hampshire, south to Florida; Puerto Rico (Utuado) (Coquillett, 1900:251).
- TABASCENSIS (Wheeler & Melander), 1901:372 (as *Hybos triplex* Walker var. *tabascensis*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico (Tabasco, Teapa).
- THRIXOTHRIX Melander, 1927:31. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- TRIPLEX (Walker), 1849:486 (*Hybos*). Type-locality: "South America". Distr. — North, Central and South America.
- VERRUCICRUS Melander, 1927:26. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba), Panama. Ref. — Curran, 1931.
- VITRIPENNIS Curran, 1931:3. Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, Barro Colorado I.).
- YUCATANUS (Wheeler & Melander), 1901:372 (as *Hybos triplex* Walker var. *yucatanus*). Type-locality: Mexico, Yucatán. Distr. — Mexico (Yucatán).

Genus CERATHYBOS Bezzi

CERATHYBOS Bezzi, 1909b:303. Type-species, *schnusei* Bezzi (mon.).

SCHNUSEI Bezzi, 1909b:303. Type-locality: Peru, Ucayali River, Unini. Distr. — Peru (Ucayali River, Unini).

Genus LACTISTOMYIA Melander

LACTISTOMYIA Melander, 1902:250. Type-species, *insolita* Melander (mon.).

DIMIDIATA (Bellardi), 1861:97 (*Hybos*). Type-locality: "Mexico". Distr. — Mexico.

sequens Melander, 1902:249 (*Hybos*). Type-locality: "Mexico".

HYALINA Bezzi, 1909b:312. Type-locality: Peru, Pichis River, Puerto Bermúdez, 300 m. Distr. — Peru (Pichis River, Puerto Bermúdez).

INSOLITA Melander, 1902:251. Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (Mato Grosso, Chapada). Ref. — Melander, 1927: pl. 5, fig. 45 (whole insect).

MAMMIFERA Curran, 1931:7. Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, Barro Colorado I.).

NIGRIPES Curran, 1931:7. Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, Barro Colorado I.).

PANAMENSIS Curran, 1931:8. Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, Barro Colorado I.).

SERRATA Bezzi, 1909b:312. Type-locality: Peru, mouth of river Pachitea, 150 m, Ucayali River, 300 m. Distr. — Peru (mouth of Pachitea, Ucayali River), British Guiana (Kartabo). Ref. — Curran, 1934.

Subfamily OCYDROMIINAE

Genus TRICHINA Meigen

TRICHINA Meigen, 1830:335. Type-species, *clavipes* Meigen (Rondani, 1856:152).

ABDOMINALIS Collin, 1933:40. Type-locality: Chile, Chiloe I., Ancud. Distr. — Chile (Chiloe I. and Peulla).

DIGNA Collin, 1933:36, fig. 8b. Type-locality: Chile, Casa Pangue. Distr. — Chile (Casa Pangue).

DIGRESSA Collin, 1933:37. Type-locality: Chile, Puerto Montt. Distr. — Chile (Puerto Montt).

DISTINCTA Collin, 1933:45. Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I.).

?ELEGANS (Bigot), 1888:21, pl. 3, fig. 5 (*Ocydromia*). Type-locality: Cape Horn. Distr. — Cape Horn. Refs. — Bezzi (1905:458) places this species in ?*Euthyneura* Macquart. Collin (1933:36) suggests that it probably belongs to *Trichina* Meigen.



- FIDA Collin, 1933:41. Type-locality: Argentina, L. Nahuel Huapi. Distr. — Chile (Casa Pangué), Argentina (L. Nahuel Huapi, Puerto Blest).
- INDIGA Collin, 1933:45. Type-locality: Argentina, L. Correntoso. Distr. — Argentina (L. Correntoso).
- INSIGNIS Collin, 1933:42. Type-locality: Argentina, L. Nahuel Huapi, Puerto Blest. Distr. — Argentina (L. Nahuel Huapi, Puerto Blest).
- INSONS Collin, 1933:40. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué, Puerto Varas, Ensenada, Castro).
- LAETA Collin, 1933:42. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué).
- MEDIA Collin, 1933:44. Type-locality: Chile, Peulla. Distr. — Chile (Peulla).
- OBSCURATA Collin, 1933:38, figs. 9a-d. Type-locality: Argentina, Puerto Blest. Distr. — Argentina (L. Nahuel Huapi, eastern end, Puerto Blest, L. Correntoso, L. Gutierrez).
- sp. Collin, 1933:43. Locality: Chile, Casa Pangué.

Genus LEPTOPEZA Macquart

- LEPTOPEZA Macquart, 1827:143 (as *Lemtopeza*; emend. Macquart, 1834:320). Type-species, *Ocydromia flavipes* Meigen (mon.) = *ruficollis* (Meigen).
- RIVOSA (Bigot), 1888:21 (*Lemtopeza*). Type-locality: Cape Horn. Distr. — Cape Horn. Ref. — Collin (1933:34) who suggests that this species (of which the type appears to be lost) probably belongs to *Oropezella* Collin or *Hoplopeza* Bezzi.

Genus OROPEZELLA Collin

- OROPEZELLA Collin, 1926:214. Type-species, *Leptopeza sphenoptera* Loew (orig. des.). [See also *Leptopeza*].
- ABDOMINALIS Collin, 1933:46. Type-locality: Chile, Peulla. Distr. — Chile (Peulla and Casa Pangué).
- ANNULITARSIS Smith, 1962:222, fig. 22. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- ARARA Smith, 1962:222, fig. 23. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- BILOBA Smith, 1962:220, figs. 19-20. Type-locality: Brazil, São Paulo, Cubatão; Santa Catarina, Nova Teutônia. Distr. — Brazil (São Paulo, Cubatão; Santa Catarina, Nova Teutônia).
- MARGINATA Smith, 1962:221, fig. 21. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- METALLICA Smith, 1962:221. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- sp. Smith, 1963:158. Locality: British Guiana, Makauria.

- TENUIPES Collin, 1933:63. Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I., Castro).
- TESTACEUS (Philippi), 1865:763 (*Brachystoma*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia, Casa Pangue, Chiloe I.), Argentina (Rio Negro, L. Correntoso and Bariloche). Ref. — Collin, 1933:61.
- THORACICUS (Philippi), 1865:764 (*Brachystoma*, subg. *Heterophlebus*). Type-locality: Chile, San Juan. Distr. — Chile (S. Juan; Llanquihue, Casa Pangue), Argentina (Rio Negro, L. Nahuel Huapi, Puerto Blest).
- VERSABILIS Collin, 1933:57, figs. 11b, i. Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Chile (Magallanes), Argentina (Rio Negro, Bariloche, L. Nahuel Huapi, Rio Grande, Tierra del Fuego, Estancia Viamonte, Patagonia, Chubut, Valle del L. Blanco).
- VERSCOLOR Collin, 1933:56, fig. 11a. Type-locality: Argentina, Rio Negro, L. Nahuel Huapi, eastern end. Distr. — Argentina (Rio Negro, L. Nahuel Huapi, Bariloche; Patagonia, Chubut, Valle del L. Blanco).
- VITTIGERUS (Philippi), 1865:765 (*Brachystoma*, subg. *Heterophlebus*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia).

Genus ALLOCHROTUS Collin

- ALLOCHROTUS Collin, 1933:192. Type-species, *Empis poecila* Philippi (orig. des.).
- POECILUS (Philippi), 1865:753 (*Empis*). Type-locality: Chile, Corral. Distr. — Chile (Corral). Ref. — Collin, 1933:193, fig. 41 (male genitalia).

Genus EMPIDADELPHA Collin

- EMPIDADELPHA Collin, 1928:105. Type-species, *propria* Collin (orig. des.).
- SOBRINA Collin, 1933:225. Type-locality: Chile, Chiloe I., Ancud. Distr. — Chile (Chiloe I., Ancud, Castro and Puntra; Puerto Montt).

Genus OPEATOCERATA Melander

- OPEATOCERATA Melander, 1927:134. Type-species, *Empis rubida* Wheeler & Melander (orig. des.).
- RUBIDA (Wheeler & Melander), 1901:368 (*Empis*). Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — Mexico, Panama, Bolivia, Costa Rica.

Genus SPHICOSA Philippi

- SPHICOSA Philippi, 1865:751. Type-species, *nigra* Philippi (orig. des.).
- ALBIPENNIS Smith, 1962:258, fig. 67. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo, Barueri).

- CORIACEA (Bigot), 1889:126 (*Iteaphila*). Type-locality: "Chile". Distr. — Chile. Ref. — Collin, 1933:274, fig. 61e (male genitalia).
- GLOBOSA Smith, 1962:257, fig. 66. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- LECTA Collin, 1933:272, fig. 61a-d. Type-locality: Chile, Concepción. Distr. — Chile (Concepción).
- LONGIROSTRIS Smith, 1962:257. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo, Barueri).
- NIGRA Philippi, 1865:751, pl. 28, fig. 46. Type-locality: Chile, Santiago. Distr. — Chile (Santiago, Marga-Marga). Ref. — Collin, 1933:271.
- PLAUMANNI Smith, 1962:259, fig. 68. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- SETIPALPIS Smith, 1962:257. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- UNISETA Smith, 1962:259, fig. 69. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).

Genus TRICHOHILARA Collin

- TRICHOHILARA Collin, 1933:174. Type-species, *metapleuralis* Collin (orig. des.).
- METAPLEURALIS Collin, 1933:174, figs. 36a-c. Type-locality: Argentina, L. Gutierrez. Distr. — Argentina (L. Gutierrez, Bariloche, L. Correntoso).

Genus LAMPREMPIS Wheeler & Melander

- LAMPREMPIS Wheeler & Melander, 1901:366. Type-species, *chichimeca* Wheeler & Melander (Coquillett, 1903:252).
- BENIGNA (Osten Sacken), 1887:215 (*Empis*). Type-locality: Mexico, Durango, Ciudad. Distr. — Mexico (Durango, Ciudad).
- BEZZI Smith, 1962:248, fig. 57. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- BORACEA Smith, 1962:250. Type-locality: Brazil, São Paulo, Salesópolis, Estação Biológica de Boracéia. Distr. — Brazil (São Paulo, Salesópolis).
- CALOPODA Bezzi, 1905:436. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- CHICHIMECA Wheeler & Melander, 1901:368. Type-locality: Mexico, Guerrero, Amula, 6000 ft. Distr. — Mexico (Guerrero, Amula), Bolivia.
var. *meridionalis* Engel, 1928:245. Type-locality: "Bolivia". Distr. — Bolivia.
- COLUMBI (Schiner), 1868:205 (*Empis*). Type-locality: "Colombia". Distr. — Colombia.
- CUCAMA Smith, 1962:251. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).

- CYANEA (Bellardi), 1861:98 (*Empis*). Type-locality: Mexico, Angang. Distr. — Mexico (Angang), Bolivia. Ref. — Engel, 1928:247 (descr. of male).
- DIAPHORINA (Osten Sacken), 1887:215 (*Empis*). Type-locality: Mexico. Durango, Ciudad, 8100 ft. Distr. — Mexico (Durango, Ciudad).
- DOLICHOPODINA (Schiner), 1868:215 (*Empis*). Type-locality: "South America". Distr. — "South America".
- FURCATICAUDA Smith, 1962:251, fig. 59. Type-locality: Brazil, Minas Gerais, Sapucaí-Mirim, Cidade Azul, 1400 m. Distr. — Brazil (Minas Gerais, Sapucaí-Mirim, Cidade Azul).
- GEMMEA Bezzi, 1905:438. Type-locality: Bolivia, Coroico. Distr. — Bolivia (Coroico).
- LINDNERI Engel, 1928:248. Type-locality: "Bolivia". Distr. — Bolivia.
- SETIGERA Coquillett, 1903:272. Type-locality: Cuba, Baracoa. Distr. — Cuba (Baracoa).
- SUAVIS (Loew), 1869:33 (*Empis*). Type-locality: "Mexico". Distr. — Mexico, Bolivia.
- SUPERBA (Loew), 1861a:34 (*Empis*). Type-locality: "Cuba". Distr. — Cuba.
- TRUNCATUS Smith, 1962:249, fig. 58. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- TUBERIFERA Bezzi, 1905:435, fig. 1. Type-locality: Peru, Vilcanota. Distr. — Peru (Vilcanota).
- VIOLACEA (Loew), 1869:32 (*Empis*). Type-locality: "Mexico". Distr. — Mexico.
- VIRIDIS (Coquillett), 1895:395 (*Hilara*). Type-locality: Jamaica, Kingston. Distr. — Jamaica (Kingston).

Genus EMPIS Linnaeus

- EMPIS Linnaeus, 1758:603. Type-species, *pennipes* Linnaeus (Latreille, 1810:443).
- Platyptera* Meigen, 1803:269. Type-species, *Empis borealis* Linnaeus (Melander, 1927:144) [By tautonymy, *Empis platyptera* Panzer is the proper type-species, but acceptance of that fixation would require that *Platyptera* replace *Rhamphomyia* Meigen, 1822. Because of the size of the latter genus and extensive usage of the name, suspension of the rules should be requested].
- Pachymeria* Stephens, 1829:55 (also 1829:262). Type-species, *Empis ruralis* Meigen (mon.) = *femorata* Fabricius.
- Eriogaster* Macquart, 1838:162 (1839:278) (preocc. Germar, 1811). Type-species, *Empis laniventris* Eschscholtz (orig. des.).
- Eniplempis* Bigot, 1880:xlvi. Type-species, *mira* Bigot (mon.).
- Empimorpha* Coquillett, 1895:396. Type-species, *comantis* Coquillett (orig. des.).

- Empis*, subg. *PTEREMPIS* Bezzi, 1909c:87. Type-species, *Empis pennipes* Linnaeus (Engel, 1945:341).
- Empis*, subg. *XANTHEMPIS* Bezzi, 1909c:88. Type-species, *Empis stercorea* Linnaeus (orig. des.).
- Empis*, subg. *ANACROSTICHUS* Bezzi, 1909c:93. Type-species, *Empis nitida* Meigen (orig. des.).
- Empis*, subg. *POLYBLEPHARIS* Bezzi, 1909c:95. Type-species, *Empis albicans* Meigen (orig. des.).
- Empis*, subg. *ARGYRANDRUS* Bezzi, 1909c:100. Type-species, *Empis dispar* Scholz (orig. des.).
- Empis*, subg. *COPTOPHLEBIA* Bezzi, 1909c:100. Type-species, *Empis hyalipennis* Fallén (orig. des.).
- Empis*, subg. *ACALLOMYIA* Melander, 1927:140. Type-species, *Iteaphila peregrina* Melander (orig. des.).
- Empis*, subg. *PYRREMPIS* Melander, 1927:144. Type-species, *Empis rufescens* Loew (orig. des.).

No attempt has yet been made to split *Empis* into subgenera in the Neotropical region, but those subgenera likely to be represented are listed above.

- AMBIGUA* Bezzi, 1905:439. Type-locality: Peru, Vilcanota. Distr. — Peru (Vilcanota).
- ANGUSTIPENNIS* Bezzi, 1909b:351. Type-locality: Peru, Umahuankiali, Urubamba River, 500 m. Distr. — Peru (Umahuankiali, Urubamba River).
- ANNULIPES* Wheeler & Melander, 1901:369. Type-locality: Mexico, Guerrero, Amula, 6000 ft. Distr. — Mexico (Guerrero, Amula).
- ANTHRACINA* Bigot, 1888:19. Type-locality: Tierra del Fuego, Orange Bay. Distr. — Tierra del Fuego (Orange Bay). Ref. — Collin, 1933:254.
- ATRA* Wiedemann, 1830:1. Type-locality: "St. Croix". Distr. — St. Croix, Brazil. Ref. — Smith, 1964:51, fig. 3 (male genitalia).
- penthophora* Wiedemann, 1830:4. Type-locality: "Brazil".
- ATRIFEMUR* Wheeler & Melander, 1901:370. Type-locality: Mexico, Guerrero, Xucumanatlan, 7000 ft. Distr. — Mexico (Guerrero, Xucumanatlan).
- AZTECA* Wheeler & Melander, 1901:369. Type-locality: Mexico, Guerrero, Amula, 6000 ft. Distr. — Mexico (Guerrero, Amula).
- BICOLOR* Bellardi, 1861:98. Type-locality: Mexico, Cuantla. Distr. — Mexico (Cuantla).
- BULLATA* Bezzi, 1905:442. Type-locality: Bolivia, Coroico. Distr. — Bolivia (Coroico).
- CHIRAGRA* Bezzi, 1909b:353. Type-locality: Peru, valley of Lares, 1000-2000 m. Distr. — Peru (valley of Lares).
- COPIOSA* *COPIOSA* Collin, 1933:261, figs. 59a-d. Type-locality: Argentina, L. Correntoso. Distr. — Chile (Casa Pangué), Argentina (L. Correntoso, Bariloche, L. Gutierrez, L. Nahuel Huapi, Puerto Blest).
- ssp. PROMINENS* Collin, 1933:262, figs. 59e-h. Type-locality: Chile, Casa Pangué; Argentina, Puerto Blest.

- COXALIS Thomson, 1868:471. Type-locality: "Patagonia". Distr. — Patagonia, Tierra del Fuego (Rio Grande, Estancia Viamonte). Ref. — Collin, 1933:246.
- CUCULLATA Collin, 1933:257, fig. 57a. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué).
- DISJUNCTA Collin, 1933:270. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué).
- DISTINCTA Collin, 1933:252. Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I., Castro, Ancud).
- DOLOROSA Wheeler & Melander, 1901:370. Type-locality: Mexico, Guerrero, Amula, 6000-8000 ft. Distr. — Mexico (Guerrero, Amula).
- ?DUMETORUM Philippi, 1865:756. Type-locality: Chile, Santiago. Distr. — Chile (Santiago).
- FIMBRIA Walker, 1852:204. Type-locality: "Brazil". Distr. — Brazil.
- ?FLAVINERVIS Philippi, 1865:755. Type-locality: Chile, Colchagua. Distr. — Chilo (Colchagua). Ref. — Collin, 1933:230 (key).
- FULVICOLLIS Collin, 1933:231, figs. 50a-b. Type-locality: Argentina, L. Correntoso. Distr. — Chile (Casa Pangué, Los Loros, Santiago), Argentina (L. Correntoso, L. Gutierrez).
- GRACILIPES Philippi, 1865:755. Type-locality: Chile, Valdivia. Distr. — Chile (Puntra, Ancud, Chiloe I., Castro, Puerto Varas, Valdivia). Ref. — Collin, 1933:266, figs. 60a-b (male abdominal tergites and genitalia).
- HUMERALIS Collin, 1933:251, figs. 56a-b. Type-locality: Chile, Puerto Varas. Distr. — Chile (Puerto Varas, Peulla, Casa Pangué, Chiloe I., Castro).
- IMPAR Melander, 1946:112 (subg. *Coptophlebia*). Type-locality: Costa Rica, Pedregosa. Distr. — Costa Rica (Pedregosa).
- IMPUTATA Collin, 1933:248, fig. 56d. Type-locality: Argentina, L. Nahuel Huapi, Puerto Blest; Chile, Casa Pangué; Tierra del Fuego, L. Yuvin. Distr. — Chile (Casa Pangué), Argentina (L. Nahuel Huapi, Puerto Blest), Tierra del Fuego (L. Yuvin).
- INDUTA Bezzi, 1909b:343, 348. Type-locality: Peru, Pichis River, Puerto Bermúdez, 300 m. Distr. — Peru (Pichis River, Puerto Bermúdez).
- ?LANDBECKI Philippi, 1865:754. Type-locality: Chile, Valdivia. Distr. — Chile (Peulla, Casa Pangué, Mechuque I., Chiloe I.), Argentina (Bariloche, L. Nahuel Huapi, Puerto Blest).
- LANGUESCENS Collin, 1933:262, fig. 59i. Type-locality: Chile, Peulla. Distr. Chile (Valdivia). Ref. — Collin, 1933:230 (key).
- LATERALIS Collin, 1933:268. Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I., Castro).
- LEUCOSTIGMA Bezzi, 1905b:347, 356. Type-locality: Peru, Cuzco, 3500 m. Distr. — Peru (Cuzco).
- LIBERALIS Collin, 1933:247, figs. 55a-d. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué, Peulla, Castro), Argentina (L. Nahuel Huapi, Puerto Blest, L. Correntoso).



- LIODES Bezzi, 1909b:344, 350. Type-locality: Peru, Pichis River, Puerto Bermúdez, 300 m. Distr. — Peru (Pichis River, Puerto Bermúdez).
- LOBALIS Thomson, 1869:472. Type-locality: "Patagonia". Distr. — Patagonia. Ref. — Collin, 1933:258.
- LUCIDILABRIS Bezzi, 1905:440. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- ?LUGENS Philippi, 1865:760 (? *Hilara*). Type-locality: Chile, Valdivia, Corral. Distr. — Chile (Valdivia, Corral).
- LUTEITHORAX Collin, 1933:249, figs. 56c, e. Type-locality: Chile, Puerto Varas. Distr. — Chile (Puerto Varas, Peulla, Ensenada).
- MACRORRHYNCHA Philippi, 1865:757, pl. 28, fig. 47. Type locality: Chile, Valdivia. Distr. — Chile (Valdivia, Casa Pangué, Ensenada, Chiloe I., Castro). Ref. — Collin, 1933:244, fig. 54a (male genitalia).
- MACRURA Bigot, 1889:131. Type-locality: Argentina, Buenos Aires. Distr. — Argentina (Buenos Aires). Ref. — Collin, 1933:239, fig. 52b (male genitalia).
- MAJERONA Smith, 1962:254, fig. 65. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo).
- MARAUUA Smith, 1962:254, fig. 64. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- MICANS Schiner, 1868:204. Type-locality: "South America". Distr. — South America.
- MICROPYGA Bezzi, 1905:441. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- MIRIPES Collin, 1933:268. Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I., Castro and Ancud).
- MODICA Collin, 1933:259, figs. 58b-c. Type-locality: Argentina, L. Correntoso. Distr. — Chile (Casa Pangué), Argentina (L. Correntoso, L. Nahuel Huapi, Puerto Blest, L. Gutierrez, Bariloche).
- MOLLITA Collin, 1933:269, figs. 60d-e. Type-locality: Argentina, L. Nahuel Huapi, Puerto Blest. Distr. — Chile (Casa Pangué, Peulla, Chiloe I., Castro), Argentina (L. Nahuel Huapi, Puerto Blest, L. Correntoso).
- MONTEZUMA Wheeler & Melander, 1901:369. Type-locality: Mexico, Jalisco, Santiago. Distr. — Mexico (Jalisco, Santiago).
- NIGRICOLOR Collin, 1933:253, fig. 57a. Type-locality: Chile, Ensenada. Distr. — Chile (Ensenada, Chiloe I., Ancud and Castro, Puerto Montt, Casa Pangué, Puntra).
- OCHROPUS Philippi, 1865:755. Type-locality: Chile, S. Cristoval, near Santiago. Distr. — Chile (S. Cristoval, near Santiago). Ref. — Collin, 1933:230 (key).
- OMISSA Collin, 1933:270. Type-locality: Chile, Peulla. Distr. — Chile (Peulla, ? Casa Pangué).
- OPTABILIS Collin, 1933:234, fig. 51b. Type-locality: Chile, S. Cristoval. Distr. — Chile (S. Cristoval).



- PACHYMERINA* Schiner, 1868:205. Type-locality: "South America". Distr. — South America.
- ?*PACHYSTOMA* Philippi, 1865:757. Type-locality: Chile, S. Cristoval. Distr. — Chile (S. Cristoval).
- PARALIS* Collin, 1933:256, fig. 57d. Type-locality: Chile, Chiloe I., Puntra. Distr. — Chile (Chiloe I., Puntra, Puerto Varas).
- PEGASUS* Osten Sacken, 1887:216. Type-locality: Panama, Volcán de Chiriqui, 2500 to 4000 ft. Distr. — Panama (Volcán de Chiriqui).
- PENNIVENTRIS* Bezzi, 1909b:352. Type-locality: Peru, Chanchamayo, 800 m. Distr. — Peru (Chanchamayo).
- PERPUSILLA* Collin, 1933:264. Type-locality: Argentina, L. Nahuel Huapi, Puerto Blest. Distr. — Chile (Casa Pangue), Argentina (L. Nahuel Huapi, Puerto Blest).
- POLITA* Macquart, 1838:162. Type-locality: "Chile". Distr. — Chile. Ref. — Collin, 1933:238, fig. 52a (male genitalia).
collina Philippi, 1865:736. Type-locality: Chile, Santiago.
- PROMPTA* Collin, 1933:233, fig. 51a. Type-locality: Chile, Casa Pangue. Distr. — Chile (Casa Pangue).
- PULLATA* Collin, 1933: 263, fig. 59j. Type-locality: Chile, Casa Pangue. Distr. — Chile (Casa Pangue, Peulla).
- QUADRIVITTATA* Lynch Arribálzaga, 1878:292. Type-locality: Argentina, Baradero, Palermo. Distr. — Argentina (Baradero, Palermo).
- RECORDABILIS* Collin, 1933:242, figs. 53a-b. Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I., Castro and Puntra).
- RETROVERSA* Collin, 1933:241 fig. 53c. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche and L. Correntoso).
- SHUMANA* Smith, 1962:253, figs. 60-63. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- SFLOPTEA* Wiedemann, 1830:5. Type-locality: "Mexico". Distr. — Mexico.
picta Loew, 1863:16. Type-locality: "Mexico".
- SPINIFERA* Bezzi, 1909b:346, 354. Type-locality: Peru, valley of Lares, 2000-3000 m. Distr. — Peru (valley of Lares).
- SQUAMIPES* Coquillett, 1903:271. Type-locality: Mexico, Chihuahua, Rio Piedras Verdes, Sierra Madre, 7500 ft. Distr. — Mexico (Chihuahua, Sierra Madre, Rio Piedras Verdes).
- THERMOPHILA* Wiedemann, 1830:4. Type-locality: Uruguay, Montevideo. Distr. — Uruguay (Montevideo).
- TOTIPENNIS* Bellardi, 1865:99. Type-locality: Mexico, Morelia. Distr. — Mexico (Morelia).
- TRIULIS* Collin, 1933:256. Type-locality: Chile, Chiloe I., Puntra. Distr. — Chile (Chiloe I., Puntra).
- TRICHOSCELIS* Collin, 1933:265. Type-locality: Argentina, L. Nahuel Huapi, eastern end, Bariloche. Distr. — Argentina (L. Nahuel Huapi, Bariloche, L. Gutierrez, L. Correntoso).

- URUGUAYENSIS Lynch Arribálzaga, 1878:293. Type-locality: Uruguay; Argentina, Baradero. Distr. — Uruguay, Argentina (Baradero).
- VALDIVIANA Philippi, 1865:755. Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia). Ref. — Collin, 1933:220 (key).
- VARIABILIS Bigot, 1857:291. Type-locality: "Chile". Distr. — Chile. Ref. — Collin, 1933:236, fig. 51c (male genitalia).
- VICINA Lynch Arribálzaga, 1878:294. Type-locality: Argentina, Baradero. Distr. — Argentina (Baradero).
- XOCHITL Wheeler & Melander, 1901:370. Type-locality: Mexico, Guerrero, Chilpancingo, 4600 ft. Distr. — Mexico (Guerrero, Chilpancingo).

Genus RHAMPHOMYIA Meigen

- RHAMPHOMYIA Meigen, 1822:42. Type-species, *Empis sulcata* Meigen (Curtis, 1834: pl. 517).
- Megacyttarus* Bigot, 1880:xlvi. Type-species, *argenteus* Bigot (mon.) = *limbata* Loew.
- Neocota* Coquillett, 1895:434. Type-species, *weedi* Coquillett (orig. des.).
- Rhamphomyia*, subg. PARARHAMPHOMYIA Frey, 1922:33. Type-species, *Empis plumipes* Meigen [as Fallén (lapsus), orig. des.].
- Rhamphomyia*, subg. DASYRHAMPHOMYIA Frey, 1922:65. Type-species, *Empis vesiculosa* Fallén (orig. des.).
- Rhamphomyia*, subg. AMYDRONEURA Collin, 1926:216. Type-species, *eryo-phthalma* Meigen (orig. des.).

Rhamphomyia has been divided into several subgenera, but no serious attempt has yet been made to assign all the Neotropical species to these subgenera. Such assignments as have been made are indicated.

- ARGYRINA Bezzi, 1909b:334. Type-locality: Bolivia, Mapiri, Sarampiuní, 700 m. Distr. — Bolivia (Mapiri, Sarampiuní).
- BOLIVIANA Bezzi, 1905:429. Type-locality: Bolivia, Coroico. Distr. — Bolivia (Coroico).
- CAECA Collin, 1933:212, fig. 46a (subg. *Pararhamphomyia*). Type-locality: Argentina, L. Correntoso. Distr. — Argentina (L. Correntoso, L. Nahuel Huapi, Puerto Blest, Bariloche).
- CANDIDULA Collin, 1933:218 (subg. *Amydroneura*). Type-locality: Chile, Marga-Marga. Distr. — Central Chile.
- CARENIFERA Bezzi, 1909b:338. Type-locality: Chile, Corral (sea coast). Distr. — Chile (Corral).
- CARRERAI Smith, 1962:240, fig. 50 (as *carrerae*). Type-locality: Brazil, Goiás, Jataí. Distr. — Brazil (Goiás, Jataí).
- CATARINAE Smith, 1962:239, fig. 49. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- CYANOASTER Wheeler & Melander, 1901:371. Type-locality: Mexico, Guerrero, Omilteme, 8000 ft. Distr. — Mexico (Guerrero, Omilteme).

- EMINENS Collin, 1933:218, fig. 46e. Type-locality: Chile, Peulla. Distr. — Chile (Peulla).
- FURCIFER Wheeler & Melander, 1901:371. Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico (Guerrero, Omilteme).
- GALACTODES Bezzi, 1909b:332. Type-locality: Bolivia, Cordillera, 4000-5000 m. Distr. — Bolivia (Cordillera).
- GALBANATA Collin, 1933:216, fig. 46c (subg. *Pararhamphomyia*). Type-locality: Chile, Magallanes. Distr. — Chile (Magallanes).
- INTERSERTA Collin, 1933:213, fig. 46b (subg. *Pararhamphomyia*). Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche and L. Correntoso).
- LEUCOPHENGIA Bezzi, 1905:430. Type-locality: Bolivia, Coroico. Distr. — Bolivia (Coroico).
- MICRARGYRA Bezzi 1909b:333. Type-locality: Peru, Tarma, 3000 m. Distr. — Peru (Tarma).
- MOLLIS Collin, 1933:214 (subg. *Pararhamphomyia*). Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche and L. Nahuel Huapi, eastern end).
- MONSTROSA Bezzi, 1909b:339, fig. 3. Type-locality: Peru, Tarma, 3000 m. Distr. — Peru (Tarma).
- PENICILLATA Bezzi, 1909b:336. Type-locality: Bolivia, Cordillera, 4000-5000 m. Distr. — Bolivia (Cordillera).
- PORTERI Brèthes, 1924:106. Type-locality: Chile, Chiloe I. Distr. — Chile (Chiloe I.).
- SEPOSITA Collin, 1933:216, fig. 46d. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué).
- TOLTECA Wheeler & Melander, 1901:371. Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas, 9500 ft. Distr. — Mexico (Guerrero, Sierra de las Aguas Escondidas).
- TYMPANICA Bezzi, 1909b:337. Type-locality: Bolivia, Mapiri, Sarampiuní, 700 m. Distr. — Bolivia (Mapiri, Sarampiuní).
- VERAE Smith, 1962:238, figs. 47-48. Type-locality: Brazil, Santa Catarina Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- VILLOSIPES Bezzi, 1905:430. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).

Genus *APLOMERA* Macquart

- APLOMERA* Macquart, 1838:163. Type-species, *gayi* Macquart (mon.).
Haplomera, emend.
- Anodontina* Macquart, 1838: pl. 13, fig. 4. Type-species, *gayi* Macquart (mon.) [The name *Anodontina* was only used in the plate, but is corrected in the text, p. 163].
- ?*BRACHYSTOMA* (Philippi), 1865:755 (*Empis*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia).

- BREVIMANA (Collin), 1933:168, figs. 35c-d. (*Haplomera*). Type-locality: "Chile". Distr. — Chile.
- CHILENSIS (Bezzi), 1909b:374 (*Haplomera*). Type-locality: Chile, Valparaiso, Concepción, Quillota. Distr. — Chile (Valparaiso, Concepción, Quillota).
- CONSPICUA (Collin), 1933:172 (*Haplomera*). Type-locality: Chile, Peulla. Distr. — Chile (Peulla).
- DICHROA (Collin), 1933:171 (*Haplomera*). Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué), Argentina (L. Correntoso).
- DIFFICILIS (Collin), 1933:166 (*Haplomera*). Type-locality: Chile, Peulla. Distr. — Chile (Peulla, Casa Pangué, Puerto Varas).
- GAYI Macquart, 1838:163, pl. 13, fig. 4. Type-locality: "Chile". Distr. — Chile. Ref. — Collin, 1933:162, fig. 32b (male genitalia), 33a-d (male: face, antenna; female: hind leg, wing).
- nudipes* Macquart, 1838:161 (*Empis*, ♀ of *gayi*). Type-locality: "Chile".
- GYMNOPODA (Bezzi), 1905:448 (*Haplomera*). Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- LINEATA (Collin), 1933:172 (*Haplomera*). Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué).
- MACROCERA (Bigot), 1888:20 (*Hilara*). Type-locality: Cape Horn. Distr. — Cape Horn. Ref. — Collin, 1933:167, figs. 35a-b (male antenna and genitalia).
- MEDIALIS (Collin), 1933:172 (*Haplomera*). Type-locality: Chile, Puerto Varas. Distr. — Chile (Puerto Varas, Chiloe I.: Ancud, Punta).
- NOTOGRAMMA (Bezzi), 1905:449 (*Haplomera*). Type-locality: Bolivia, Cillutincara. Distr. — Bolivia (Cillutincara).
- PACHYMERA (Macquart), 1838:277 (*Empis*). Type-locality: "Chile". Distr. — Chile.
- PARTICULARIS (Collin), 1933:170, figs. 35e-f (*Haplomera*). Type-locality: "Chile". Distr. — Chile.
- SCHROTTKYI (Bezzi), 1909a:319 (*Haplomera*). Type-locality: Paraguay, Puerto Bertoni, Alto Paraná. Distr. — Paraguay (Puerto Bertoni, Alto Paraná).
- sp.* Collin, 1933:173 (*Haplomera*). Locality: Argentina, Bariloche.
- SPINULOSA (Philippi), 1865:757 (*Empis*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia, Tierra del Fuego, Rio Grande, Estancia Viamonte). Ref. — Collin, 1933:161, fig. 32a (male genitalia).
- ?VARASI (Brèthes), 1916:79 (*Haplomera*). Type-locality: Chile, Curicó. Distr. — Chile (Curicó).

Genus CLINORHAMPHA Collin

- CLINORHAMPHA Collin, 1933:220. Type-species, *merita* Collin (orig. des.).
- INEVOLUTA Collin, 1933:222, fig. 47d. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué).

MERITA Collin, 1933:220, fig. 47a. Type-locality: Chile, Ancud; Argentina, L. Nahuel Huapi, Puerto Blest. Distr. — Chile (Ancud), Argentina (L. Nahuel Huapi, Puerto Blest, L. Correntoso).

NECOPINATA Collin, 1933:222, fig. 47b. Type-locality: Chile, Peulla. Distr. — Chile (Peulla).

Genus APALOCNEMIS Philippi

APALOCNEMIS Philippi, 1865:752. Type-species, *obscura* Philippi (mon.).

Timalphes Melander, 1927:97. Type-species, *Clinocera fumosa* Hutton (orig. des.).

?BICOLOR (Bigot), 1888:19 (*Sphicosa*). Type-locality: Cape Horn. Distr. — Cape Horn.

CINGULATA Bezzi, 1909b:383, fig. 6. Type-locality: Peru, Sicuaní, 3500 m, Cuzco, 3500 m; Bolivia, La Paz, 3700 m. Distr. — Peru (Sicuaní, Cuzco), Bolivia (La Paz).

CIRCUMSPINOSA Collin, 1933:88, fig. 16f. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche, L. Gutierrez), Chile (Tierra del Fuego, Puerto Blest, L. Yuvín).

DISCRETA Collin, 1933:83, fig. 15d. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué).

DISTINCTA Collin, 1933:76, fig. 15a. Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I., Castro).

ECHINATA Collin, 1933:85. Type-locality: Chile, Chiloe I., Puntra. Distr. — Chile (Chiloe I., Puntra).

ELONGATA Collin, 1933:81, figs. 15c, 16d. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche, L. Correntoso, L. Gutierrez).

HALTERATA (Becker), 1919:168 (*Gloma*). Type-locality: Ecuador, Tulcán, 3002 m. Distr. — Ecuador (Tulcán).

HOLOSERICEA (Thomson), 1869:473 (*Hilara*). Type-locality: "Patagonia". Distr. — Patagonia. Ref. — Collin, 1933:90.

INDEFINITA Collin, 1933:91, fig. 15f. Type-locality: Chile, Chiloe I., Ancud. Distr. — Chile (Peulla, Puerto Montt, Chiloe I., Ancud).

INGENIOSA Collin, 1933:84, figs. 15i, 16i. Type-locality: Argentina, L. Correntoso. Distr. — Argentina (L. Correntoso).

INNOCUA Collin, 1933:92, fig. 15g. Type-locality: Chile, Puerto Varas. Distr. — Chile (Puerto Varas, Chiloe I., Castro).

MAURA MAURA Collin, 1933:79, figs. 16a-c. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche, L. Gutierrez, L. Correntoso).

ssp. INTONSA Collin, 1933:80. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué, Chiloe I., Ancud).

MEDIOCRIS Collin, 1933:93, fig. 16g-h. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche, L. Nahuel Huapi).

OBSCURA Philippi, 1865:753, pl. 29, fig. 55. Type-locality: "Chile". Distr. — Chile.

- OCHRACEA (Bigot), 1888:22, pl. 3, fig. 4 (*Heleodromia*). Type-locality: Cape Horn. Distr. — Cape Horn.
- PHILIPPI Smith, 1962:225. Type-locality: Brazil, São Paulo, Salesópolis, Estação Biológica de Boracéia. Distr. — Brazil (São Paulo, Salesópolis).
- PLORATOR Collin, 1933:86, fig. 15h, 16e. Type-locality: Argentina, L. Nahuel Huapi, eastern end. Distr. — Chile (Concepción, Chiloe I.: Ancud, Castro, Península de Magallanes), Argentina (L. Nahuel Huapi, Bariloche, L. Gutierrez).
- var. *halterata* Collin, 1933:88 (preocc. Becker, 1919). Type-locality: Argentina, L. Nahuel Huapi, eastern end.
- RACEMATA Collin, 1933:93, fig. 15j. Type-locality: Uruguay, Montevideo. Distr. — Uruguay (Montevideo), Argentina (Viedma).
- ROSTRATA Collin, 1933:77, fig. 15b. Type-locality: Chile, Peulla. Distr. — Chile (Peulla, Casa Pangue), Argentina (Bariloche).
- SALESOPOLIS Smith, 1962:226. Type-locality: Brazil, São Paulo, Salesópolis, Estação Biológica de Boracéia. Distr. — Brazil (São Paulo, Salesópolis).
- SOLITARIA Collin, 1933:80. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche).
- VARIEGATA Bezzi, 1905:450, fig. 2. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- XANTHOGYNA Collin, 1933:88. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche).

Genus HYSTRICHONOTUS Collin

- HYSTRICHONOTUS Collin, 1933:94. Type-species, *revelator* Collin (orig. des.).
- REVELATOR Collin, 1933:95, figs. 17a-b. Type-locality: Chile, Chiloe I., Castro, Ancud. Distr. — Chile (Chiloe I., Castro, Ancud).

Genus MACROSTOMUS Wiedemann

- MACROSTOMUS Wiedemann, 1817:59. Type-species, *Hybos ferrugineus* Fabricius (mon.).
- Porphyrochroa* Melander, 1927:137. Type-species, *Sciodromia palliata* Coquillett (orig. des.). N. SYN. [Type examined in British Museum (Natural History)].
- Axelempis* Curran, 1931:9. Type-species, *fulvithorax* Curran (orig. des.).
- ?ABDOMINALIS (Bezzi), 1905:433 (*Rhamphomyia*). Type-locality: Bolivia, Coroico. Distr. — Bolivia (Coroico).
- APICALIS (Bezzi), 1909b:330 (*Rhamphomyia*). Type-locality: Peru, Pichis River, Puerto Yessup, 300 m. Distr. — Peru (Pichis River, Puerto Yessup).
- ARCUCINCTUS (Bezzi), 1909b:331 (*Rhamphomyia*). Type-locality: Bolivia, Mapiri, Sarampiuni, 700 m. Distr. — Bolivia (Mapiri, Sarampiuni).

- ARGYROTARSIS (Bezzi), 1909b:324, fig. 2 (*Rhamphomyia*). Type-locality: Bolivia, Mapiri, San Carlos, 800-1200 m. Distr. — Bolivia (Mapiri, San Carlos).
- BARUERI Smith, 1962:245, fig. 55. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo, Barueri).
- CYSTICERCUS Smith, 1963:158, figs. 9, 11. Type-locality: British Guiana, Kaieteur, Mazaruni, Tukeit, gorge of Potaro. Distr. — British Guiana (Kaieteur, Mazaruni, Tukeit).
- DIGITATUS Smith, 1962:243, figs. 51-52. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- DISTINCTIPENNIS Smith, 1962:244, fig. 54. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil (São Paulo, Campos do Jordão).
- DIVISUS Smith, 1962:243. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo, Barueri).
- ?DOLICHOCERUS (Bezzi), 1905:431 (*Rhamphomyia*). Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- DOLICHOPTERUS (Bezzi), 1909b:328 (*Rhamphomyia*). Type-locality: Bolivia, Mapiri, San Carlos, 800-1200 m, Sarampiuni, 700 m. Distr. — Bolivia (Mapiri, San Carlos and Sarampiuni).
- FASCIVENTRIS (Curran), 1931:11 (*Axelempis*). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, Barro Colorado I.).
- FERRUGINEUS (Fabricius), 1805:146 (*Hybos*). Type-locality: "South America". Distr. — British Guiana (Amatuk Falls, Potaro River). Ref. — Smith, 1961:55, figs. 5-6 (male wing and genitalia).
- FULVITHORAX (Curran), 1931:10 (*Axelempis*). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, Barro Colorado I.). Ref. — Smith, 1961:54, fig. 7 (male genitalia).
- GRALLATRIX (Bezzi), 1909b:326 (*Rhamphomyia*). Type-locality: Bolivia, Mapiri, San Carlos, 700 m. Distr. — Bolivia (Mapiri, San Carlos).
- JURI Smith, 1962:248. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- LIMBIPENNIS (Bezzi), 1909b:329 (*Rhamphomyia*). Type-locality: Peru, Pichis River, Puerto Bermúdez, 300 m, Ucayali River, Unini, 300 m, mouth of Pachitea, 150 m; Bolivia, San Carlos, Sarampiuni, 700-1200 m. Distr. — Peru (Pichis River, Puerto Bermúdez; Ucayali River, Unini; mouth of Pachitea), Bolivia (San Carlos, Sarampiuni).
- MACERRIMUS (Bezzi), 1909b:327 (*Rhamphomyia*). Type-locality: Bolivia, Mapiri, Sarampiuni, 700 m. Distr. — Bolivia (Mapiri, Sarampiuni).
- MUNDURUCU Smith, 1962:247. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- MURA Smith, 1962:246. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- NIGRIVENTRIS (Macquart), 1846:96 (*Rhamphomyia*). Type-locality: "Brazil". Distr. — Brazil.

- ?ORTHONEURA (Bezzi), 1905:431 (*Rhamphomyia*). Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- PALLIATUS (Coquillett), 1902:140 (*Sciodromia*). Type-locality: Mexico, Tabasco, Frontera. Distr. — Mexico (Tabasco, Frontera). N. COMB.
- PERPULCHRUS (Bezzi), 1909b:334 (*Rhamphomyia*). Type-locality: Bolivia, Mapiri, Lorenzopata, 2000-2500 m. Distr. — Bolivia (Mapiri, Lorenzopata).
- PICTIPENNIS (Bezzi), 1909b:330 (*Rhamphomyia*). Type-locality: Bolivia, Mapiri, San Carlos, 800-1200 m. Distr. — British Guiana (Amatuk Falls, Potaro River; Kaïeteur), Bolivia (Mapiri, San Carlos). Ref. — Smith, 1961:55, figs. 1-4 (antenna, male genitalia, male wing, female wing).
- ?PULCHRIVENTRIS (Bezzi), 1905:432 (*Rhamphomyia*). Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- ROTUNDIPENNIS (Bezzi), 1905:433 (*Rhamphomyia*). Type-locality: Peru, Vilcanota. Distr. — Peru (Vilcanota).
- SETICAUDA Smith, 1963:160, fig. 13. Type-locality: British Guiana, Mazaruni. Distr. — British Guiana (Mazaruni).
- VARISETA Smith, 1962:246, fig. 56. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- WIEDEMANNI Smith, 1962:244, fig. 53. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo, Barueri).

Genus ATRICHOPLEURA Bezzi

- ATRICHOPLEURA Bezzi, 1909b:357. Type-species, *schnusei* Bezzi (orig. des.).
- ARGYRIVENTRIS Becker, 1919:171. Type-locality: Ecuador, Chillacocha, 3590 m. Distr. — Ecuador (Chillacocha).
- CAESIA Collin, 1933:205, figs. 43g-i. Type-locality: Argentina, L. Correntoso. Distr. — Argentina (L. Correntoso, L. Gutierrez, Bariloche).
- CANA Collin, 1933:201. Type-locality: Uruguay, Montevideo. Distr. — Uruguay (Montevideo).
- CAUDATA Collin, 1933:207, figs. 44b-d. Type-locality: Argentina, L. Gutierrez. Distr. — Argentina (L. Gutierrez, Bariloche).
- CINEREA Collin, 1933:199, figs. 43a-f. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche, L. Correntoso).
- CITIMA Collin, 1933:209, figs. 44e-g. Type-locality: Chile, Peulla. Distr. — Chile (Peulla, Angol).
- CONGENER Collin, 1933:204. Type-locality: Chile, Marga-Marga. Distr. — Chile (Marga-Marga).
- CRASSA Bezzi, 1909b:359. Type-locality: Chile, Quillota, 1000 m. Distr. — Chile (Quillota).
- ENARRABILIS Collin, 1933:200. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche).



- FAUSTA Collin, 1933:206, fig. 44a. Type-locality: Argentina, L. Nahuel Huapi, eastern end. Distr. — Argentina (L. Nahuel Huapi, Bariloche).
- GUARINI Smith, 1962:235, figs. 38-41. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- HIRTIPES Bezzi, 1909b:361. Type-locality: Peru, valley of Lares, 2000-4000 m. Urubamba River, Rosalina. Distr. — Peru (valley of Lares; Urubamba River, Rosalina).
- JAFFUELI Collin, 1933:202, figs. 43c-e, j. Type-locality: Chile, Marga-Marga. Distr. — Chile (Marga-Marga).
- MAMELUCA Smith, 1962:235, fig. 37. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- MAUHES Smith, 1962:237, figs. 42-44. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo, Barueri).
- MUNDURUCU Smith, 1962:238, figs. 45-46. Type-locality: Brazil, São Paulo, Capital, Cantareira. Distr. — Brazil (São Paulo, Capital, Cantareira).
- NITIDA Bezzi, 1909b:358. Type-locality: Peru, Sicuani, 3500 m. Distr. — Peru (Sicuani).
- PROTHORACALIS Collin, 1933:204. Type-locality: Chile, Peulla. Distr. — Chile (Peulla).
- SCAPULIFERA (Bigot), 1889:129 (*Microphorus*). Type-locality: "Chile". Distr. — Chile. Ref. — Collin, 1933:198, figs. 42f-i (details of male genitalia).
- SCHINUSEI Bezzi, 1909b:362. Type-locality: Peru, Valparaiso, Cuzco, 3400 m. Distr. — Peru (Valparaiso, Cuzco). Ref. — Melander, 1927:134, pl. 6, fig. 60 (male, whole insect).
- SPINIPES Collin, 1933:196, figs. 42a-e. Type-locality: Argentina, L. Nahuel Huapi, eastern end; Chile, Casa Pangue. Distr. — Chile (Casa Pangue), Argentina (L. Nahuel Huapi, L. Correntoso, Bariloche).
- ?TEPHRODES (Philippi), 1865:760 (*Rhamphomyia*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago).

Genus ANTHEPISCOPUS Becker

- ANTHEPISCOPUS Becker, 1891:281. Type-species, *ribesii* Becker (Coquillett, 1903:246).

Collin (1961:7) places *Anthepiscopus* in Hybotinae, but for convenience I retain it in Empidinae, conforming with the North American catalogue.

- EXTIMUS Collin, 1933:223, fig. 48a. Type-locality: Chile, Castro. Distr. — Chile (Castro).

Genus PASITRICHOTUS Collin

- PASITRICHOTUS Collin, 1933:103. Type-species, *significans* Collin (orig. des).
- SIGNIFICANS Collin, 1933:103. Type-locality: Chile, Chiloe I., Castro, Casa Pangue. Distr. — Chile (Chiloe I., Castro, Casa Pangue).

Genus DEUTERAGONISTA Philippi

- DEUTERAGONISTA Philippi, 1865:770. Type-species, *bicolor* Philippi (mon.).
Phleboctena Bezzi, 1909b:381. Type-species, *lutea* Bezzi (mon.).
BICOLOR Philippi, 1865:771. Type-locality: Chile, Corral. Distr. — Chile (Corral).
DENOTATA Collin, 1933:328 (addendum). Type-locality: Chile, Ancud. Distr. — Chile (Ancud).
FULVILATA Collin, 1933:100. Type-locality: "Chile". Distr. — Chile.
LUTEA (Bezzi), 1909b:382, figs. 7-8 (*Phleboctena*). Type-locality: Chile, Rancagua, Cordilleras. Distr. — Chile (Rancagua, Cordilleras).
STIGMATICA Collin, 1933:98, figs. 18a-e. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche).
TERMINALIS Collin, 1933:102. Type-locality: Chile, Rio Blanco, Transandine Railway. Distr. — Chile (Rio Blanco).
THORACICA Collin, 1933:102. Type-locality: Chile, Concepción. Distr. — Chile (Concepción).
VILLOSULA (Bigot), 1889:131 (*Empis*). Type-locality: "Chile". Distr. — Chile. Ref. — Collin, 1933:101 (says that *Phleboctena lutea* Bezzi may be the ♀ of this species).

Genus AMICTOIDES Bezzi

- AMICTOIDES Bezzi, 1909b:380. Type-species, ?*Hilara breviventris* Philippi, *sensu* Bezzi (mon.).
BREVIVENTRIS (Philippi), 1865:762 (*Hilara*). Type-locality: Chile, Santiago (Philippi), Concepción (Bezzi). Distr. — Chile (Santiago, Concepción). Ref. — Bezzi, 1909b:380. [Collin (1933:105) points out that if Bezzi's interpretation of Philippi's species is incorrect, then Bezzi's male is type-species of *Amictoides*; he compared the two descriptions in detail].

Genus HILAREMPIS Bezzi

- HILAREMPIS Bezzi, 1905:443. Type-species, *nudifacies* Bezzi (Melandar, 1927:128).
Heterempis Brèthes, 1909:92. Type-species, *mendozana* Brèthes (mon.).
ANTARCTICA (Walker), 1837:341 (*Empis*). Type-locality: Straits of Magellan, Port Famine [penal settlement 53°38' South and 70°58' West, now abandoned]. Distr. — Straits of Magellan (Port Famine). Ref. — Collin, 1933:133.
ARGENTIFERA Bezzi, 1909b:365, 371. Type-locality: Chile, Quillota. Distr. — Chile (Quillota).
ARGENTULA Becker, 1919:169. Type-locality: Ecuador, Tulcán, 3002 m. Distr. — Ecuador (Tulcán).



- ARGYROZONA (Philippi), 1865:761 (?*Hilara*). Type-locality: "Chile". Distr. — Chile (Galvarino). Ref. — Collin, 1933:112, figs. 19d-f (male genitalia).
- BARBATULA Bezzi, 1909b:365, 371. Type-locality: Peru, Oroya, 3700-4000 m. Distr. — Peru (Oroya).
- BICINGULATA Bezzi, 1909b:364, 367, ♂. Type-locality: Chile, Corral. Distr. — Chile (Corral). Ref. — Collin, 1933:114.
- ?*argyrozona* Philippi, 1865:754 (*Empis*; ♀). Type-locality: Chile, Corral.
- EISERIATA Collin, 1933:135, figs. 25g, k. Type-locality: Chile, Ensenada and Puerto Varas. Distr. — Chile (Ensenada, Puerto Varas, Peulla).
- BRACHYRRHYNCHA (Thomson), 1869:474 (*Hilara*). Type-locality: "Patagonia". Distr. — Patagonia. Ref. — Collin, 1933:136.
- CARINATA Bezzi, 1909b:363, 369. Type-locality: Bolivia, Cordillera, 4000-5000 m. Distr. — Bolivia (Cordillera).
- CHLIATA Collin, 1933:129, fig. 24a. Type-locality: Chile, Puerto Varas. Distr. — Chile (Chiloe I., Castro, Puerto Varas), Argentina (Bariloche).
- COMMODA Collin, 1933:114, figs. 20a-c. Type-locality: Chile, Magallanes. Distr. — Chile (Magallanes), Tierra del Fuego (Estancia Viamonte).
- COTOXANTHA (Blanchard), 1852:372, pl. 3, fig. 3 (*Empis*). Type-locality: Chile, Coquimbo. Distr. — Chile (Coquimbo). Ref. — Collin, 1933:231, where he states that "this is certainly not an Empid. It is probably an Asilid".
- DOLOSA Collin, 1933:126. Type-locality: Argentina, Bariloche. Distr. — Chile (Puerto Varas, Chiloe I., Castro), Argentina (Bariloche).
- ?DUMICOLA (Philippi), 1865:757 (*Empis*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago).
- ELEGANS Bezzi, 1909b:364, 368. Type-locality: Peru, Tarma, 3000 m. Distr. — Peru (Tarma).
- FACILIS Collin, 1933:125, figs. 23c, h-i. Type-locality: Argentina, L. Nahuel Huapi, eastern end. Distr. — Argentina (L. Nahuel Huapi, Bariloche).
- FAMILIARIS Collin, 1933:124, figs. 23a, e, f. Type-locality: Argentina, L. Nahuel Huapi, eastern end. Distr. — ? Chile (Angol), Argentina (L. Nahuel Huapi, Bariloche).
- ?FULVA (Philippi), 1865:756 (*Empis*). Type-locality: Chile, Valdivia, Corral. Distr. — Chile (Valdivia, Corral).
- philippii* Bezzi, 1909b:363 (*Hilarempis*) (nom. nov. for *Empis fulva* Philippi, nec Macquart, nec Walker).
- GENUALIS Collin, 1933:122, fig. 22b. Type-locality: Argentina, L. Gutierrez. Distr. — Chile (Casa Pangue), Argentina (L. Gutierrez, L. Nahuel Huapi, L. Correntoso, Puerto Blest, Bariloche).
- ?GRISEIVENTRIS (Philippi), 1865:761 (*Hilara*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia).
- GUBERNATOR Collin, 1933:139, figs. 26d-e. Type-locality: Chile, Casa Pangue. Distr. — Chile (Casa Pangue, Peulla).
- GYMNASPIS Bezzi, 1909b:365, 370. Type-locality: Peru, Cuzco, 3500 m. Distr. — Peru (Cuzco).

- IDONEA Collin, 1933:133, figs. 25d-f. Type-locality: Argentina, L. Gutierrez. Distr. — Chile (Chiloe I., Castro), Argentina (L. Gutierrez, L. Nahuel Huapi, Puerto Blest, Bariloche, L. Correntoso).
- INOPS Collin, 1933:140, figs. 26a-c. Type-locality: Argentina, Bariloche. Distr. — Chile (Marga-Marga, Casa Pangue), Argentina (Bariloche, L. Correntoso, L. Nahuel Huapi).
- INSULARIS Brèthes, 1924:106. Type-locality: Chile, Chiloe I. Distr. — Chile (Chiloe I.).
- JURI Smith, 1962:227, figs. 27-28. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- LANGUIDA Collin, 1933:115. Type-locality: Chile, Casa Pangue. Distr. — Chile (Casa Pangue), Argentina (Bariloche).
- ?LATICORNIS (Bigot), 1888:20 (*Hilara*). Type-locality: Cape Horn. Distr. — Cape Horn.
- LEVICULA Collin, 1933:127, figs. 23b, d, g. Type-locality: Chile, Ancud. Distr. — Chile (Ancud).
- ?MAGELLANICA (Bigot), 1888:20 (*Hilara*). Type-locality: Cape Horn. Distr. — Cape Horn.
- MALUINENSIS (Enderlein), 1912:48, fig. 7 (*Hilara*). Type-locality: Falkland Is. Distr. — Falkland Is.
- MEDIANA Collin, 1933:137, figs. 25h-j. Type-locality: Chile, Chiloe I., Ancud. Distr. — Chile (Chiloe I., Ancud, Puntra, Mechuque I., Ensenada, Castro).
- MENDOZANA (Brèthes), 1924:92 (*Heterempis*). Type-locality: Argentina, Tupungato. Distr. — Argentina (Tupungato).
- MOREIRAI Brèthes, 1924:106. Type-locality: Chile, Chiloe I. Distr. — Chile (Chiloe I.).
- NOTABILIS Collin, 1933:117, figs. 21e-h. Type-locality: Argentina, L. Gutierrez. Distr. — Argentina (L. Gutierrez, Bariloche, L. Nahuel Huapi), Tierra del Fuego (Rio Grande).
- NUDIFACIES Bezzi, 1905:446. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- ORDINATA Collin, 1933:120. Type-locality: Argentina, L. Gutierrez. Distr. — Argentina (L. Gutierrez, Bariloche).
- OTIOSA Collin, 1933:119, fig. 22d. Type-locality: Chile, Angol. Distr. — Chile (Angol).
- PALLIDA (Philippi), 1865:761 (?*Hilara*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia, Chiloe I., Castro, Mechuque I.). Ref. — Collin, 1933:131.
- POLYCHAETA Bezzi, 1905:445. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- PROPINQUA Collin, 1933:127. Type-locality: Argentina, L. Nahuel Huapi. eastern end. Distr. — Argentina, L. Nahuel Huapi, Bariloche), Tierra del Fuego (Estancia Viamonte).
- QUADRIFARIA Becker, 1919:169. Type-locality: Ecuador, Narhuiña, 3904 m. Distr. — Ecuador (Narhuiña).

- RODRIGUEZI Carrera, 1954:222, figs. 1-7, 9. Type-locality: Chile, Península de Magallanes. Distr. — Chile (Península de Magallanes).
- SHUMANA Smith, 1962:227, fig. 29. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- SIGILLATA Collin, 1933:142, figs. 26f-g. Type-locality: Argentina, L. Correntoso. Distr. — Chile (Chiloe I., Casa Pangue, Peulla, Mechuque I.), Argentina (L. Correntoso, L. Nahuel Huapi, Puerto Blest).
- SIMILIPES Collin, 1933:132, figs. 25a-c. Type-locality: Argentina, L. Nahuel Huapi, eastern end. Distr. — Chile (Angol), Argentina (L. Nahuel Huapi, Bariloche, L. Gutierrez).
- sp.* (near *argyrozona* Philippi) Smith, 1962:229. Locality: Brazil, Santa Catarina, Nova Teutônia.
- SPINOSA Bezzi, 1909b:363, 365. Type-locality: Chile, Fermas, Tolhuaca. Distr. — Chile (Fermas, Tolhuaca, Magallanes), Argentina (L. Nahuel Huapi, Puerto Blest), Tierra del Fuego (Rio Grande). Ref. — Collin, 1933:121, fig. 22a (male genitalia).
- STENOSTOMA Collin, 1933:129, fig. 24b. Type-locality: Chile, Chiloe I., Ancud. Distr. — Chile (Chiloe I., Ancud).
- ?TEPHRODES (Philippi), 1865:755 (*Empis*). Type-locality: Chile, S. Cristoval. Distr. — Chile (S. Cristoval).
- TIBIALIS Collin, 1933:115, figs. 21a-d. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche, L. Gutierrez, L. Nahuel Huapi, L. Correntoso).
- TUCUNA Smith, 1962:228, fig. 30. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- VANELLUS (Schiner), 1868:206 (*Hilara*). Type-locality: "Colombia". Distr. — Colombia.
- VARIANS (Bigot), 1889:130 (*Empis*). Type-locality: "Chile". Distr. — Chile (Magallanes, Galvarino), Tierra del Fuego (Estancia Viamonte). Ref. — Collin, 1933:110, fig. 19.
- fulva* Walker, 1837:341 (*Empis*) (nec *fulva* Macquart, 1837). Type-locality: Straits of Magellan, Port Famine [see *E. antarctica* for locality detail].
- ? *walkeri* Bezzi, 1909b:343 (*Empis*). Type-locality: Straits of Magellan, Port Famine. (Nom. nov. for *fulva* Walker).
- XANTHOCERA Bezzi, 1905:44. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).

Genus HILARA Meigen

- HILARA Meigen, 1822:1. Type-species, *Empis maura* Fabricius (Curtis, 1826: pl. 130).
- APICALIS Smith, 1962:233. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- ARMATA Collin, 1933:180, fig. 37a. Type-locality: Argentina, Bariloche, L. Correntoso. Distr. — Argentina (Bariloche, L. Correntoso, Puerto Blest).

- CATARINAE Smith, 1962:232, fig. 36. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- DISCREPITANS Collin, 1933:191. Type-locality: Chile, Angol. Distr. — Chile (Angol).
- FRATERNAL Collin, 1933:179, fig. 37e. Type-locality: Argentina, L. Gutierrez. Distr. — Argentina (L. Gutierrez).
- IMMERENS Collin, 1933:185. Type-locality: Argentina, L. Nahuel Huapi, Puerto Blest, L. Gutierrez. Distr. — Argentina (L. Nahuel Huapi, Puerto Blest, L. Gutierrez, L. Correntoso, Bariloche).
- IRRITANS Bezzi, 1909b:378. Type-locality: Chile, Quillota, 1000 m. Distr. — Chile (Quillota), Argentina (L. Correntoso, Bariloche). Ref. — Collin, 1933:184.
- LUTEOLIMBATA Collin, 1933:182, fig. 38a. Type-locality: Chile, Peulla. Distr. — Chile (Peulla).
- MIRHANA Smith, 1962:231, fig. 35. Type-locality: Brazil, Minas Gerais, Sapucaí-Mirim, Cidade Azul. Distr. — Brazil (Minas Gerais, Sapucaí-Mirim, Cidade Azul).
- OCCIPITALIS Collin, 1933:186, fig. 39b. Type-locality: Argentina, L. Correntoso. Distr. — Argentina (L. Correntoso).
- PERPLEXA Bezzi, 1909b:379. Type-locality: Peru, valley of Lares, 2000-4000 m. Distr. — Peru (valley of Lares).
- PERTURBANS Bezzi, 1909b:380. Type-locality: Chile, Tarapaca, Palca, 2000-4000 m; Peru, Cuzco, 3500 m. Distr. — Peru (Cuzco), Chile (Palca).
- REDUCTA Collin, 1933:189, figs. 40a-d. Type-locality: Chile, Chiloe I., Mechuque I. Distr. — Chile (Chiloe I.: Castro, Ancud; Mechuque I.).
- SETIPLEURA Smith, 1962:233. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- STETHICA Collin, 1933:187. Type-locality: Argentina, Mendoza, Potrerillos. Distr. — Argentina (Mendoza, Potrerillos).
- SUBARMATA Collin, 1933:181. Type-locality: Argentina, L. Gutierrez. Distr. — Argentina (L. Gutierrez).
- SUBPENNATA Collin, 1933:178, figs. 37b-d. Type-locality: Chile, Peulla. Distr. — Chile (Peulla, Angol), Argentina (Bompland).
- TONSILIS Collin, 1933:188, fig. 39c. Type-locality: Argentina, L. Nahuel Huapi, Puerto Blest, L. Correntoso. Distr. — Chile (Casa Pangue), Argentina (L. Nahuel Huapi, Puerto Blest, L. Correntoso).
- TUPINAMBA Smith, 1962:231. Type-locality: Brazil, Minas Gerais, Sapucaí-Mirim, Cidade Azul. Distr. — Brazil (Minas Gerais, Sapucaí-Mirim, Cidade Azul).
- VERTICALIS Collin, 1933:182, fig. 38b. Type-locality: Argentina, Mendoza, Potrerillos. Distr. — Argentina (Mendoza, Potrerillos).

Genus HILARIGONA Collin

- HILARIGONA Collin, 1933:144. Type-species, *Pachymeria argentata* Philippi (orig. des.).
- ABERRANS (Bezzi), 1909b:376 (*Hilara*). Type-locality: Bolivia, Mapiri, Cordillera, 3000 m. Distr. — Bolivia (Mapiri, Cordillera).
- ABNORMIS (Bezzi), 1909b:377 (*Hilara*). Type-locality: Peru, Chanchamayo, 800 m. Distr. — Peru (Chanchamayo).
- ANNULATA (Philippi), 1865:758 (*Pachymeria*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia).
- ANOMALICAUDA Collin, 1933:150, fig. 29a. Type-locality: Chile, Ancud and Puerto Varas. Distr. — Chile (Ancud, Puerto Varas, Mechuque I.).
- ARGENTATA (Philippi), 1865:758 (*Pachymeria*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia, Peulla, Ancud, Casa Pangué, Chiloe I., Putchuc), Argentina (Bariloche, Puerto Blest). Ref. — Collin, 1933:146, fig. 27a (male hind leg), fig. 28a-d (male genitalia).
- BRACHYGASTRA (Philippi), 1865:759 (*Pachymeria*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia, Mechuque I., Chiloe I.: Castro and Puntra, Peulla, Puerto Varas). Ref. — Collin, 1933:149, fig. 29b (male genitalia).
- CAISHANA Smith, 1962:229, fig. 31. Type-locality: Brazil, Minas Gerais, Sapucaí-Mirim, Cidade Azul. Distr. — Brazil (Minas Gerais, Sapucaí-Mirim, Cidade Azul).
- CHILOENSIS (Brèthes), 1924:105 (*Haplomera*). Type-locality: Chile, Chiloe I. Distr. — Chile (Chiloe I., Mechuque I., Ancud), Argentina (Bariloche). Ref. — Collin, 1933:157, fig. 31b (male hypopygium).
- CONNEXIVA Collin, 1933:158, fig. 31c. Type-locality: Chile, Puerto Montt, Chiloe I.: Puntra. Distr. — Chile (Puerto Montt, Chiloe I.: Puntra).
- CRASSISTYLA Collin, 1933:153, fig. 30a-b. Type-locality: Argentina, San Isidro, near Buenos Aires. Distr. — Argentina (San Isidro, near Buenos Aires).
- CUPARI Smith, 1962:230, figs. 32-33. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- FULVIPES (Philippi), 1865:760 (*Pachymeria*). Type-locality: "Chile". Distr. — Chile.
- MAJERONA Smith, 1962:230, fig. 34. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- MODESTA (Philippi), 1865:759 (*Pachymeria*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia).
- OBSCURATA (Philippi), 1865:759 (*Pachymeria*). Type-locality: Chile, Corral. Distr. — Chile (Corral).
- OBSCURIPENNIS (Philippi), 1865:759 (*Pachymeria*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia, Chiloe I.: Ancud, Puerto Varas, Puerto Montt). Ref. — Collin, 1933:156, fig. 31a (male genitalia).

- PEXATA Collin, 1933:148, fig. 29c. Type-locality: "Chile". Distr. — Chile.
 POLITA Collin, 1933:148, figs. 28e-g. Type-locality: Argentina, Bariloche.
 Distr. — Argentina (Bariloche, L. Nahuel Huapi).
 PRODUCTA Collin, 1933:148, fig. 27b. Type-locality: Argentina, Buenos Aires.
 Distr. — Argentina (Buenos Aires).
 PUDICA Collin, 1933:154, figs. 30c,d,f. Type-locality: Chile, Peulla. Distr. —
 Chilo (Peulla, Puerto Montt, Puerto Varas, Casa Pangué, Me-
 chuque I., Chiloe I.: Castro and Ancud).
 RUBRIPES (Philippi), 1865:760 (*Pachymeria*). Type-locality: Chile, Valdivia.
 Distr. — Chile (Valdivia).
 SETULIS Collin, 1933:152, fig. 29d. Type-locality: Chile, Chiloe I.: Puntra
 and Ancud. Distr. — Chile (Chiloe I.: Puntra, Ancud, Castro,
 Angol).
 SIMILIS Collin, 1933:155, fig. 30e. Type-locality: Argentina, L. Correntoso.
 Distr. — Argentina (L. Correntoso).

Subfamily HEMERODROMIINAE

Genus CHELIPODA Macquart

- CHELIPODA Macquart, 1823:148. Type-species, *Tachydromia mantispa* Panzer
 (orig. des.; misident.) = *vocatoria* (Fallén).
Chiromantis Rondani, 1856:205 (also as *Chyromantis*, p. 148) (preocc.
 Peters, 1854). Type-species, *Tachydromia vocatoria* Fallén (orig.
 des.).
Litanomyia Melander, 1902:231. Type-species, *Sciudromia mexicana*
 Wheeler & Melander (Coquillett, 1903:252).
Phyllodromia, authors, not Zetterstedt.
 FIMBRIATA Collin, 1933:277. Type-locality: Argentina, L. Nahuel Huapi,
 eastern end. Distr. — Argentina (L. Nahuel Huapi, Puerto Blest,
 Bariloche).
 MEXICANA MEXICANA (Wheeler & Melander), 1901:376 (*Sciudromia*). Type-
 locality: Mexico, Guerrero, Sierra de las Aguas Escondidas. Distr.
 — Mexico (Guerrero, Sierra de las Aguas Escondidas), Costa Rica
 (La Suiza de Turrialba). Ref. — Melander, 1947:247, fig. 47
 (male genitalia).
 ssp. INTERMEDIA Smith, 1962:260. Type-locality: Brazil, Santa Catarina,
 Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
 OBTUSIPENNIS Collin, 1933:278. Type-locality: Argentina, L. Nahuel Huapi,
 Puerto Blest. Distr. — Argentina (L. Nahuel Huapi, Puerto Blest).
 REMISSA REMISSA Collin, 1933:275, figs. 62a-c. Type-locality: Argentina,
 Bariloche. Distr. — Chile (Casa Pangué, Ensenada, Concepción,
 Puerto Varas), Argentina (Bariloche, L. Correntoso, L. Gutierrez).
 ssp. HAMATILIS Collin, 1933:277. Type-locality: Chile, Puerto Varas,
 Distr. — Chile (Puerto Varas).
 RHABDOPTERA Melander, 1927:266. Type-locality: Costa Rica, La Suiza de
 Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

- SUBFLAVA Collin, 1933:278. Type-locality: Chile, Chiloe I., Mechuque I. Distr. — Chile (Chiloe I., Mechuque I.).
- VITTATA (Lynch Arribáizaga), 1878:294 (*Hemerodromia*). Type-locality: Argentina, Buenos Aires, Baradero. Distr. — Argentina (Buenos Aires, Baradero).

Genus CHELIPODOZUS Collin

- CHELIPODOZUS Collin, 1933:279. Type-species, *cinereus* Collin (orig. des.).
- CINEREUS Collin, 1933:279. Type-locality: Chile, Casa Pangue. Distr. — Chile (Casa Pangue).
- OCHRACEUS Collin, 1933:280. Type-locality: Chile, Puerto Varas. Distr. — Chile (Puerto Varas).

Genus CLADODROMIA Bezzi

Hemerodromia, subg. CLADODROMIA Bezzi, 1905:453. Type-species, *inca* Bezzi (Melander, 1927: 259). [All Philipii species marked thus * in this genus are impossible to place on description alone; they may belong to *Neoplasta* (vide Collin, 1933:294)].

- *BICOLOR (Philippi), 1865:767 (*Hemerodromia*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago).
- BOLIVIANA Bezzi, 1909b:391, 396. Type-locality: Bolivia, Guaqui, Lago Titicaca, 3850-4500 m. Distr. — Bolivia (Guaqui, Lago Titicaca).
- CANA Bezzi, 1905:455. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- DECURTATA Collin, 1933:310, fig. 70b. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche).
- *FLAVIPES (Philippi), 1865:766 (*Hemerodromia*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago).
- FUSCIMANA Bezzi, 1909b:394. Type-locality: Peru, valley of Lares, 3000-4000 m. Distr. — Peru (valley of Lares).
- INCA Bezzi, 1905:454, fig. 3. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).
- INCONSTANS Collin, 1933:309, fig. 70a. Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I.: Castro, Ancud; Los Andes), Argentina (L. Nahuel Huapi, Bariloche, Mendoza: Potrerillos).
- MEDIANA Collin, 1933:312. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche).
- MINIMA Collin, 1933:311, fig. 70c. Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I.: Castro).
- *NIGRIMANA (Philippi), 1865:766 (*Hemerodromia*). Type-locality: Chile, Illapel. Distr. — Chile (Illapel).
- NTIDA Collin, 1933:314, fig. 71c. Type-locality: Chile, Chiloe I., Puntra. Distr. — Chile (Chiloe I.: Puntra).

- PLURIVITTATA Bezzi, 1909b:391, 395, fig. 16. Type-locality: Peru, Arequipa, 2300-2500 m, Cuzco, 3500 m. Distr. — Peru (Arequipa, Cuzco).
- POLLINOSA Collin, 1938:313. Type-locality: Argentina, Bariloche; Chile, Chiloe I., Ancud. Distr. — Chile (Chiloe I.: Ancud), Argentina (Bariloche).
- *PRATINCOLA (Philippi), 1865:766 (*Hemerodromia*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago).
- *SEMILUGENS (Philippi), 1865:766 (*Hemerodromia*). Type-locality: Chile, San Fernando. Distr. — Chile (San Fernando).
- STIGMATICA Collin, 1933:313, fig. 71a. Type-locality: Chile, Chiloe I., Castro. Distr. — Chile (Chiloe I.: Castro).
- TANYPTERA Collin, 1933:315. Type-locality: Argentina, L. Nahuel Huapi, Puerto Blest. Distr. — Argentina (L. Nahuel Huapi, Puerto Blest).

Genus NEOPLASTA Coquillett

- NEOPLASTA Coquillett, 1895:392. Type-species, *Hemerodromia scapularis* Loew (orig. des.).
- ACUTA Collin, 1933:305, fig. 69a. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche, L. Gutierrez).
- ANALIS (Thomson), 1869:474 (*Hemerodromia*). Type-locality: "Patagonia". Distr. — Chile (Angol), Patagonia.
- BASALIS Collin, 1933:307, fig. 69c. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué).
- BIVITTATA (Philippi), 1865:766 (*Hemerodromia*). Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia, Puerto Montt). Ref. — Collin, 1933:298, fig. 67b (male genitalia).
- BREVICORNIS Collin, 1933:301, fig. 61d. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche).
- CILICAUDA Collin, 1933:299, fig. 67c. Type-locality: Argentina, L. Nahuel Huapi, eastern end. Distr. — Chile (Chiloe I.: Ancud), Argentina (L. Nahuel Huapi, Bariloche).
- COXALIS Collin, 1933:306, fig. 69b. Type-locality: Argentina, L. Nahuel Huapi, eastern end. Distr. — Argentina (L. Nahuel Huapi).
- DISCRETA Collin, 1933:297, fig. 67a. Type-locality: Argentina, L. Correntoso. Distr. — ?Chile (Casa Pangué, Chiloe I., Mechuque I.), Argentina (L. Correntoso, L. Gutierrez, Bariloche, L. Nahuel Huapi, Puerto Blest).
- EXCAVATA Collin, 1933:294, fig. 66a. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche).
- FEMORALIS Bezzi, 1909b:391, 393. Type-locality: Peru, Tarma, 3000 m. Distr. — Peru (Tarma).
- FORTISETA Smith, 1962:263, fig. 73. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).

- FUSCIFURCA Smith, 1962:263, figs. 71-72. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (São Paulo, Santa Catarina).
- MEXICANA (Melander), 1902:235, figs. 56, 60 (*Hemerodromia*). Type-locality: Mexico, Orizaba. Distr. — Mexico (Orizaba).
- PARVICAUDA Collin, 1933:305, fig. 59d. Type-locality: Argentina, L. Gutierrez. Distr. — Argentina (L. Gutierrez, Bariloche).
- PLEURICA Collin, 1933:304. Type-locality: Chile, Los Andes. Distr. — Chile (Los Andes).
- PROPYGIALIS Collin, 1933:301, figs. 68a-b. Type-locality: Argentina, L. Gutierrez. Distr. — Argentina (L. Gutierrez).
- PUBESCENS Collin, 1933:295, fig. 66b. Type-locality: Argentina, N. Nahuel Huapi, eastern end, Bariloche. Distr. — Argentina (L. Nahuel Huapi, Bariloche).
- PUERILIS Melander, 1947:262, fig. 39. Type-locality: Costa Rica, Pedregosa. Distr. — Costa Rica (Pedregosa).
- PYGIALIS Collin, 1933:302, fig. 68c. Type-locality: Chile, Casa Pangue. Distr. — Chile (Casa Pangue).
- SPADIX Melander, 1947:264, fig. 42. Type-locality: Costa Rica, Pedregosa. Distr. — Costa Rica (Pedregosa).
- TRANSILIS Collin, 1933:296, figs. 66c-d. Type-locality: Chile, Puerto Varas. Distr. — Chile (Puerto Varas, Peulla, Ensenada).

Genus METACHELA Coquillett

- METACHELA Coquillett, 1903:263. Type-species, *collusor* (Melander) (orig. des.).
- BARUERI Smith, 1962:262. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo, Barueri).
- BREVIRADIUS Smith, 1962:261, fig. 70. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).
- CIRCUMDATA Collin, 1933:287, fig. 64b. Type-locality: Argentina, Bariloche. L. Gutierrez. Distr. — Argentina (Bariloche, L. Gutierrez).
- FLAVELLA Collin, 1933:29, fig. 65c. Type-locality: Chile, Casa Pangue. Distr. — Chile (Casa Pangue).
- HEXACHAETA Collin, 1933:290, fig. 65d. Type-locality: Chile, Casa Pangue. Distr. — Chile (Casa Pangue, Puerto Varas, Puerto Montt, Peulla).
- INORNATA Collin, 1933:289, fig. 65b. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche).
- INSTABILIS Collin, 1933:288, fig. 65a. Type-locality: Chile, Puerto Varas. Distr. — Chile (Puerto Varas).
- PATULA Collin, 1933:286, fig. 64c. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche).
- sp.* (near *hexachaeta*) Collin, 1933:291. Locality: Chile, Casa Pangue.

Genus CHELIFERA Macquart

- CHELIFERA Macquart, 1823:150. Type-species, *raptor* Macquart (mon.) = *monostigma* (Meigen).
- Mantipeza* Rondani, 1856:148. Type-species, *Hemerodromia monostigma* Meigen (orig. des.).
- FUMIPENNIS Collin, 1933:284, fig. 63d. Type-locality: Chile, Chiloe I., Ancud. Distr. — Chile (Chiloe I.: Ancud and Castro).
- ?PALLIDA (Philippi), 1865:766 (*Hemerodromia*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago).

Genus HEMERODROMIA Meigen

- HEMERODROMIA Meigen, 1822:61. Type-species, *Tachydromia oratoria* Fallén (Rondani, 1856:148). [Acceptance of Westwood's type-designation (1840:132) of *mantispa* Panzer, which equals *Phyllodromia mela-nocephala* (Fabricius), would require that *Hemerodromia* replace *Phyllodromia* Zetterstedt, 1837. Action by the I. C. Z. N. is needed to preserve the present widespread usage of these two names (see Melander, 1927:252 and Collin, 1961:715)].
- BRACHIALIS Melander, 1927:255. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba). Ref. — Melander, 1947:245, fig. 1 (male genitalia).
- DEFESSA Williston, 1896:430, fig. 166. Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent).
- DIVINATOR Melander, 1947:246, fig. 4. Type-locality: Costa Rica, Pedregosa. Distr. — Costa Rica (Pedregosa).
- EDENTULA Collin, 1933:282, fig. 63b. Type-locality: Argentina, Misiones, Bompland. Distr. — Argentina (Misiones, Bompland).
- EXTISPEX Melander, 1947:249, fig. 9. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- FEMORATA Melander, 1927:256. Type-locality: Panama, Canal Zone, Alhajuela. Distr. — Panama (Canal Zone, Alhajuela).
- MESOMELAENA Bezzi, 1909b:390, 392, fig. 15 (subg. *Microdromia*). Type-locality: Peru, Tarma, 3000 m. Distr. — Peru (Tarma), Brazil (Santa Catarina), Argentina (Misiones). Ref. — Collin, 1933:281, fig. 63a (male genitalia).
- NUGATORIA Collin, 1933:283, fig. 63c. Type-locality: Paraguay, Encarnación. Distr. — Paraguay (Encarnación), Argentina (Misiones, Posadas).
- REFLEXA Melander, 1947:251. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- sp.* (near *oratorio* [sic] Fallén, lapsus for *oratoria* Fallén) Williston, 1896:440. Locality: West Indies, St. Vincent.

Genus COLABRIS Melander

COLABRIS Melander, 1927:258. Type-species, *rufescens* Melander (orig. des.).

CONALIS Melander, 1927:258. Type-locality: Panama, Canal Zone, Alhajuela. Distr. — Panama (Canal Zone, Alhajuela). Ref. — Melander, 1947:253, fig. 20 (male genitalia).

RUFESCENS Melander, 1927:258. Type-locality: Panama, Canal Zone, Alhajuela. Distr. — Panama (Canal Zone, Alhajuela). Ref. — Melander, 1947:253, fig. 19 (male genitalia).

Subfamily CLINOCERINAE

Genus DIPSOMYIA Bezzi

DIPSOMYIA Bezzi, 1909b:389. Type-species, *spinifera* Bezzi (mon.).

SPINIFERA Bezzi, 1909b:389, fig. 14. Type-locality: Chile, Quillota, 1000 m. Distr. — Chile (Quillota).

Genus CLINOCERA Meigen

CLINOCERA Meigen, 1804:292. Type-species, *nigra* Meigen (mon.).

Subgenus CLINOCERA Meigen

EMPODIATA Collin, 1933:322. Type-locality: Argentina, Mendoza, Potrerillos. Distr. — Argentina (Mendoza, Potrerillos).

Subgenus HYDRODROMIA Macquart

HYDRODROMIA Macquart, 1835:658 (as genus). Type-species, *Heleodromia stagnalis* Haliday (Coquillett, 1903:251).

CUBATAO Smith, 1962:264, fig. 74. Type-locality: Brazil, São Paulo, Cubatão. Distr. — Brazil (São Paulo, Cubatão).

CUCAMA Smith, 1962:265, fig. 75. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina, Nova Teutônia).

DITAENIATA (Bezzi), 1909b:387 (*Clinocera*, subg. *Heleodromia*). Type-locality: Bolivia, La Paz, 3700 m. Distr. — Bolivia (La Paz).

Genus ASYMPHYOPTERA Collin

ASYMPHYOPTERA Collin, 1933:323. Type-species, *discrepans* Collin (orig. des.).

DISCREPANS Collin, 1933:324, figs. 73a-b. Type-locality: Peru, Verrugas Cañon. Distr. — Peru (Verrugas Cañon).

Genus PROAGOMYIA Collin

PROAGOMYIA Collin, 1933:325. Type-species, *torrentium* Collin (orig. des.).

TORRENTIUM Collin, 1933:325, figs. 74a-c. Type-locality: Argentina, L. Gutierrez. Distr. — Argentina (L. Gutierrez).

Subfamily CERATOMERINAE

Genus CERATOMERUS Philippi

CERATOMERUS Philippi, 1865:765. Type-species, *paradoxus* Philippi (mon.).

CONNEXUS Collin, 1933:320. Type-locality: Chile, Casa Pangué, Puerto Varas. Distr. — Chile (Casa Pangué, Puerto Varas).

MEDIOCRIS Collin, 1933:318, figs. 72a-d. Type-locality: Chile, Casa Pangué. Distr. — Chile (Casa Pangué, Peulla, Puerto Varas, Puerto Montt, Chiloe I.: Ancud and Castro).

PARADOXUS Philippi, 1865:766, pl. 28, fig. 46. Type-locality: Chile, Valdivia. Distr. — Chile (Valdivia, Chiloe I.). Ref. — Collin, 1933:317.

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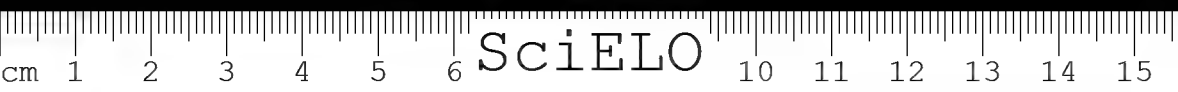
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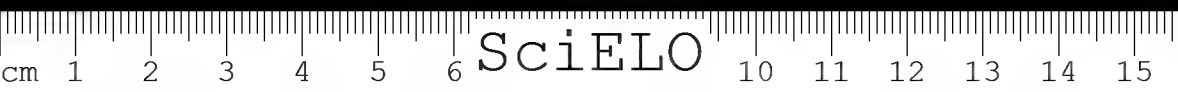
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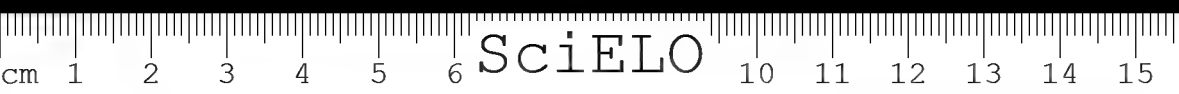
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<i>sobrina</i> Collin, 1933, <i>Empidadelphina</i>	39.18
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<i>spadix</i> Melander, 1947, <i>Neoplasta</i>	39.42
<i>sp.</i> Collin, 1933, <i>Aplomera</i>	39.27
<i>sp.</i> Collin, 1933, <i>Drapetis</i> (<i>Drapetis</i>)	39.2
<i>sp.</i> Collin, 1933, <i>Drapetis</i> (<i>Elaphropeza</i>)	39.5
<i>sp.</i> Collin, 1933, <i>Metachela</i>	39.42
<i>sp.</i> Collin, 1933, <i>Trichina</i>	39.15
<i>sp.</i> Smith, 1962, <i>Hilarempis</i>	39.36
<i>sp.</i> Smith, 1963, <i>Oropezeella</i>	39.15
<i>sp.</i> (Smith), 1962 (<i>Tachydromia</i>), <i>Platypalpus</i>	39.7
<i>sp.</i> Williston, 1896, <i>Drapetis</i> (<i>Crossopalpus</i>)	39.3
<i>sp.</i> Williston, 1896, <i>Hemerodromia</i>	39.43
<i>Sphicosa</i> Philippi, 1865	39.18
<i>spiloptera</i> Wiedemann, 1830, <i>Empis</i>	39.24
<i>spinicosta</i> Wheeler & Melander, 1901, <i>Hybos</i>	39.11
<i>spinifera</i> Bezzi, 1909, <i>Dipsomyia</i>	39.44
<i>spinifera</i> Bezzi, 1909, <i>Empis</i>	39.24
<i>spiniger</i> Melander, 1927, <i>Euhybus</i>	39.13
<i>spinipes</i> Collin, 1933, <i>Atrichopleura</i>	39.32
<i>spinosa</i> Bezzi, 1909, <i>Hilarempis</i>	39.36
<i>spinosus</i> (Curran), 1928 (<i>Hybos</i>), <i>Euhybus</i>	39.13
<i>spinulosa</i> (Philippi), 1865 (<i>Empis</i>), <i>Aplomera</i>	39.27
<i>squamipes</i> Coquillett, 1903, <i>Empis</i>	39.24
<i>stenostoma</i> Collin, 1933, <i>Hilarempis</i>	39.36
<i>stethica</i> Collin, 1933, <i>Hilara</i>	39.37
<i>stigmatica</i> Collin, 1933, <i>Cladodromia</i>	39.41
<i>stigmatica</i> Collin, 1933, <i>Deuteronista</i>	39.33
<i>stigmatalis</i> Bezzi, 1909, <i>Syneches</i>	39.10
<i>stigmaticus</i> (Philippi), 1865 (<i>Brachystoma</i>), <i>Oreogeton</i>	39.17
<i>stigmaticus</i> (Schiner), 1868 (<i>Hybos</i>), <i>Euhybus</i>	39.13
<i>suavis</i> (Loew), 1869 (<i>Empis</i>), <i>Lampremis</i>	39.20
<i>subarmata</i> Collin, 1933, <i>Hilara</i>	39.37
<i>subflava</i> Collin, 1933, <i>Chelipoda</i>	39.40
<i>subjectus</i> (Walker), 1849 (<i>Hybos</i>), <i>Euhybus</i>	39.13
<i>subpennata</i> Collin, 1933, <i>Hilara</i>	39.37
<i>superba</i> (Loew), 1861 (<i>Empis</i>), <i>Lampremis</i>	39.20
<i>Syneches</i> Walker, 1852	39.9
<i>tabascensis</i> (Wheeler & Melander), 1901 (<i>Hybos</i>), <i>Euhybus</i>	39.13
<i>Tachista</i> Loew, 1864	39.6
<i>Tachydromia</i> Meigen, 1803	39.6
<i>Tachydromiinae</i>	39.2
<i>Tachyempis</i> Melander, 1927	39.8



<i>Tachysta</i> Loew, 1864	39.6
<i>talaris</i> Collin, 1933, <i>Austrodromia</i>	39.5
<i>tanyptera</i> Collin, 1933, <i>Cladodromia</i>	39.41
<i>taquara</i> Smith, 1962, <i>Oropezeella</i>	39.16
<i>tenera</i> Melander, 1918, <i>Drapetis</i> (<i>Elaphropeza</i>)	39.5
<i>Tenontomyia</i> White, 1916	39.17
<i>tenuipes</i> Collin, 1933, <i>Oreogeton</i>	39.18
<i>tephrodes</i> (Philippi), 1865 (<i>Rhamphomyia</i>), <i>Atrichopleura</i>	39.32
<i>tephrodes</i> (Philippi), 1865 (<i>Empis</i>), <i>Hilarempis</i>	39.36
<i>terminalis</i> Collin, 1933, <i>Deuteronista</i>	39.33
<i>testaceus</i> (Philippi), 1865 (<i>Brachystoma</i>), <i>Oreogeton</i>	39.18
<i>testaceus</i> Philippi, 1865, <i>Platypalpus</i>	39.7
<i>tetrachaeta</i> Melander, 1927, <i>Tachyempis</i>	39.8
<i>thermophila</i> Wiedemann, 1830, <i>Empis</i>	39.24
<i>Thinodromia</i> Melander, 1906	39.6
<i>thoracica</i> Collin, 1933, <i>Deuteronista</i>	39.33
<i>thoracicus</i> (Philippi), 1865 (<i>Brachystoma</i> , subg. <i>Heterophlebus</i>), <i>Oreogeton</i>	39.18
<i>thrixothrix</i> Melander, 1927, <i>Euhybus</i>	39.13
<i>tibialis</i> Collin, 1933, <i>Hilarempis</i>	39.36
<i>Timalphes</i> Melander, 1927	39.28
<i>tolteca</i> Wheeler & Melander, 1901, <i>Rhamphomyia</i>	39.26
<i>tomentosus</i> Smith, 1962, <i>Syneches</i>	39.10
<i>tonsilis</i> Collin, 1933, <i>Hilara</i>	39.37
<i>torrentium</i> Collin, 1933, <i>Proagomyia</i>	39.45
<i>totipennis</i> Bellardi, 1861, <i>Empis</i>	39.24
<i>transilis</i> Collin, 1933, <i>Neoplasta</i>	39.42
<i>tribulis</i> Collin, 1933, <i>Empis</i>	39.24
<i>Trichina</i> Meigen, 1830	39.14
<i>Trichohilara</i> Collin, 1933	39.19
<i>trichoscelis</i> Collin, 1933, <i>Empis</i>	39.24
<i>triplex</i> Loew, 1861, <i>Euhybus</i>	39.12
<i>triplex</i> (Walker), 1849 (<i>Hybos</i>), <i>Euhybus</i>	39.13
<i>trivialis</i> Wheeler & Melander, 1902, <i>Platypalpus</i>	39.7
<i>truncatus</i> Smith, 1962, <i>Lampremis</i>	39.20
<i>tuberifera</i> Bezzi, 1905, <i>Lampremis</i>	39.20
<i>tucuna</i> Smith, 1962, <i>Hilarempis</i>	39.36
<i>tupinamba</i> Smith, 1962, <i>Hilara</i>	39.37
<i>tympanica</i> Bezzi, 1909, <i>Rhamphomyia</i>	39.26
<i>typicus</i> Wheeler & Melander, 1901, <i>Hybos</i>	39.11
<i>uncinatus</i> Melander, 1927, <i>Platypalpus</i>	39.8
<i>ungulifera</i> Melander, 1918, <i>Drapetis</i> (<i>Elaphropeza</i>)	39.4
<i>uniseta</i> Smith, 1962, <i>Sphicosa</i>	39.19
<i>univittata</i> Smith, 1962, <i>Drapetis</i> (<i>Elaphropeza</i>)	39.5
<i>upsilon</i> Melander, 1918, <i>Drapetis</i> (<i>Elaphropeza</i>)	39.5
<i>uruguayensis</i> Lynch Arribálzaga, 1878, <i>Empis</i>	39.25
<i>valdiviana</i> (Philippi), 1865 (<i>Drapetis</i>), <i>Austrodromia</i>	39.5
<i>valdiviana</i> Philippi, 1865, <i>Empis</i>	39.25
<i>vanellus</i> (Schiner), 1868 (<i>Hilara</i>), <i>Hilarempis</i>	39.36
<i>varasi</i> (Brèthes), 1916 (<i>Haplomera</i>), <i>Aplomera</i>	39.27
<i>variabilis</i> Bigot, 1857, <i>Empis</i>	39.25
<i>varians</i> (Bigot), 1889 (<i>Empis</i>), <i>Hilarempis</i>	39.36
<i>variegata</i> Bezzi, 1905, <i>Apalocnemis</i>	39.29

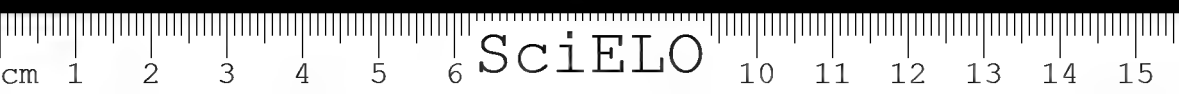


<i>varipes</i> Melander, 1927, <i>Micrempis</i>	39.5
<i>variseta</i> Smith, 1962, <i>Macrostomus</i>	39.31
<i>verae</i> Smith, 1962, <i>Rhamphomyia</i>	39.26
<i>verrucicrus</i> Melander, 1927, <i>Euhybus</i>	39.13
<i>versabilis</i> Collin, 1933, <i>Oreogeton</i>	39.18
<i>versicolor</i> Collin, 1933, <i>Oreogeton</i>	39.18
<i>verticalis</i> Collin, 1933, <i>Hilara</i>	39.37
<i>vicina</i> Lynch Arribálzaga, 1878, <i>Empis</i>	39.25
<i>villosipes</i> Bezzi, 1905, <i>Rhamphomyia</i>	39.26
<i>villosula</i> (Bigot), 1889 (<i>Empis</i>), <i>Deuteronista</i>	39.33
<i>violacea</i> (Loew), 1869 (<i>Empis</i>), <i>Lampremis</i>	39.20
<i>viridis</i> (Coquillett), 1895 (<i>Hilara</i>), <i>Lampremis</i>	39.20
<i>vitripennis</i> Curran, 1931, <i>Euhybus</i>	39.13
<i>vittata</i> (Lynch Arribálzaga), 1878 (<i>Hemerodromia</i>), <i>Chelipoda</i> ..	39.40
<i>vittata</i> Melander, 1918, <i>Drapetis</i> (<i>Elaphropeza</i>)	39.5
<i>vittigerus</i> (Philippi), 1865 (<i>Brachystoma</i> , subg. <i>Heterophlebus</i>), <i>Oreogeton</i>	39.18
<i>walkeri</i> (Bezzi), 1909 (<i>Empis</i>), <i>Hilarempis</i>	39.36
<i>walkeri</i> Smith, 1962, <i>Syneches</i>	39.11
<i>wiedemanni</i> Smith, 1962, <i>Macrostomus</i>	39.31
<i>w-maculatus</i> (Smith), 1962 (<i>Tachydromia</i>), <i>Platypalpus</i>	39.8
<i>Xanthempis</i> Bezzi, 1909 (subg. of <i>Empis</i>)	39.21
<i>xanthocera</i> Bezzi, 1905, <i>Hilarempis</i>	39.36
<i>xanthogyna</i> Collin, 1933, <i>Apalocnemis</i>	39.29
<i>xanthopoda</i> (Williston), 1896 (<i>Drapetis</i>), <i>Drapetis</i> (<i>Crossopalpus</i>)	39.3
<i>xanthopodus</i> Melander, 1927, <i>Hybos</i>	39.11
<i>xanthopodus</i> Williston, 1896, <i>Drapetis</i> (<i>Elaphropeza</i>)	39.4
<i>xochitl</i> Wheeler & Melander, 1901, <i>Empis</i>	39.25
<i>yucatanus</i> (Wheeler & Melander), 1901 (<i>Hybos</i>), <i>Euhybus</i>	39.13
<i>zonalis</i> Curran, 1932, <i>Drapetis</i>	39.2





SciELO



MUSEU DE ZOOLOGIA, UNIVERSIDADE DE SÃO PAULO

(Formerly Departamento de Zoologia, Secretaria da Agricultura,
São Paulo)A CATALOGUE OF THE DIPTERA OF THE AMERICAS SOUTH
OF THE UNITED STATES

40

FAMILY DOLICHOPODIDAE

(DOLICHOPIDAE)

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Members of the family Dolichopodidae occur in nearly all environments, but most species are restricted to specialized habitats near water or in moist places. The adults are predaceous and are found on foliage, tree trunks, or damp earth, usually along streams or lakes, or in swamps. The males of some species, especially those of the genus *Dolichopus*, have characteristic mating dances. Most dolichopodid larvae are predaceous, and are either in decaying vegetation, under bark of trees, or aquatic. The larvae of *Thrypticus* are apparently phytophagous stem miners. Dolichopodids usually pupate in a cocoon made by the larva from available material such as sand, mud, or bits of wood.

Knowledge of the neotropical Dolichopodidae is based primarily on the groups in which species are larger and collectable by standard techniques. This is particularly so in the case of the Sciapodinae of which over 250 described species are listed. More critical collecting of smaller and more specialized types, such as the genus *Enlinia*, will undoubtedly greatly alter present concepts of the numbers and diversity of species in the family. When smaller species have been collected, they have usually been subjected to totally artificial generic and specific concepts. On the basis of descriptions alone, I have questioned here the generic status of many such species, and there are two, *Enlinia edwardsae* and *Micromorphus micidus*, which if described accurately may represent undescribed genera.

The geographic ranges given are based on literature and personal observations. Many species have been reported from a wide range of localities. In some cases, *Chrysosoma comatum*, *Chrysotus picticornis*, *C. barbatus*, and *Condylostylus caudatus*, this is partially the result of too broad a species concept. Careful examination, however, indicates that some species, *Condylostylus mundus*, *Diaphorus sodalis*, *D. spectabilis*, *Hydrophorus praecox*, *Plagioneurus univittatus*, *Thrypticus abdominalis*, and *T. fraterculus*, do have the wide ranges attributed to them.

The most recent revision of the family for the entire area is that of Becker (1922). Many of the South American species are treated by Van Duzee (1930b). A number of the neotropical species are included in the

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synopsis of the family in the Southeastern United States (Robinson, 1964a). Immature stages are rather poorly known, but are most completely treated by Dyte (1967) and Wirth & Stone (1956).

The following subfamily arrangement is revised according to an unpublished version based on the author's concepts of relationships.

I wish to acknowledge both George C. Steyskal and Curtis W. Sabrosky for their many helpful suggestions during the preparation of the manuscript.

Subfamily SCIAPODINAE

(*Psilopodinae*, *Chrysosomatinae*, *Agonosomatinae*)

Genus CHRYSOSOMA Guérin-Méneville

CHRYSOSOMA Guérin-Méneville, 1831: pl. 20, figs. 5-6. Type-species, *maculipenne* Guérin-Méneville (pres. des.).

The genus is interpreted here to contain all species previously placed in *Condylostylus* which have an arista as long as the head and thorax combined. The arista is often ornamented at the tip. Ref. — Parent, 1954 (key).

BARBIPES (Van Duzee), 1934b:367, pl. 1, figs. 2-4 (*Condylostylus*). Type-locality: Guyana, Kartabo. Distr. — Guyana.

COMATUM (Loew), 1861c:89 (*Psilopus*). Type-locality: U.S.A., "Middle States". Distr. — U.S.A. (Kansas, Iowa, New Jersey, s. to Florida), Panama, Venezuela, Brazil. N. comb.

CRINITUM (Aldrich), 1904:283 (*Psilopodinus*). Type-locality: U.S.A., Kansas, Florida. Distr. — U.S.A. (eastern states), Ecuador. N. comb.

albiapicatus Parent, 1929b:206, figs. 58-59 (*Condylostylus*). Type-locality: U.S.A., Georgia. Reported-Ecuador.

EXSUL (Parent), 1932c:240, figs. 20-21 (*Sciopus*). Type-locality and distr.: "unknown".

FORMOSUM Parent, 1934a:281, pl. 72, figs. 7-8. Type-locality and distr.: "unknown".

INOPINATUM Parent, 1933b:163, fig. 1. Type-locality: Costa Rica, "Farm Hamburg, am Reventason". Distr. — Costa Rica.

LATIAPICATUM Van Duzee, 1933b:67, pl. 4, figs. 3-6. Type-locality: Mexico, Jalisco, Puerto Vallarta. Distr. — Mexico.

LORIFERUM Parent, 1934b:116, figs. 9-10. Type-locality: Colombia, Bogotá. Distr. — Colombia.

loripes, error.

MIRECILIATUM (Parent), 1928:177, figs. 40-45 (*Condylostylus*). Type-locality: Costa Rica, plains of Limón, Las Mercedes. Distr. — Costa Rica.

NOBILISSIMUM (Aldrich), 1901:360, pl. 6, fig. 23 (*Psilopus*). Type-locality: Mexico, Guerrero; Morelos; Veracruz; Tabasco; Yucatán. Distr. — Mexico. N. comb.

PERPLEXUM Parent, 1933b:164, figs. 2-3. Type-locality: Guyana, Essequibo River, Moraballi Creek; Kartabo. Distr. — Guyana.

- SCHMIDT Parent, 1954:222, fig. 2. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- SEMICOMATUM (Van Duzee), 1929a:4, pl. 1, figs. 5-6 (*Psilopus*). Type-locality: Guatemala, La Providencia; Guyana, N. Y. Zoological Society Tropical Research Station. Distr. — U.S.A. (Texas), Guatemala, Guyana. N. COMB.
- VILLOSIPES (Parent), 1933b:185, figs. 33-36 (*Condylostylus*). Type-locality: Guyana, Kartabo. Distr. — Guyana. N. COMB.

Genus CONDYLOSTYLUS Bigot

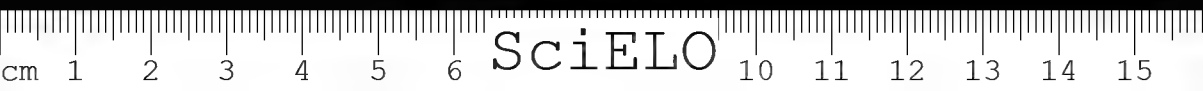
- CONDYLOSTYLUS Bigot, 1859:215, 223. Type-species, *Psilopus bituberculatus* Macquart (mon.).
- Laxina Curran, 1934:230. Type-species, *Dolichopus patibulatus* Fabricius (orig. des.).

The genus is a weak segregate from *Chrysosoma*, and as described, the arista of the type species is ornate, though not as in known species of *Chrysosoma*. The length of the arista in the type species has not been indicated with certainty. The genus seems to be the predominant element of the family in the open tropical lowlands of America.

Ref. — Aldrich, 1904 (key); Parent, 1929a (key); Van Duzee, 1931b (key).

- ACCEPTUS Parent, 1933c:4, figs. 7-8. Type-locality: Cayenne (= French Guiana). Distr. — French Guiana.
- ALATUS Becker, 1922:270. Type-locality: Peru, Vilcanota; Paraguay. Distr. — Peru, Paraguay.
- ALBICILIATUS (Van Duzee), 1927b:9 (*Psilopus*). Type-locality: Virgin Islands, St. Thomas. Distr. — Virgin Islands, Puerto Rico, Mona I., Jamaica.
- ALBIHIRTUS Van Duzee, 1929b:38. Type-locality: Jamaica, near Troy. Distr. — Jamaica.
- AMORIS (Walker), 1849:647 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- ANCEPS (Wiedemann), 1830:228 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil. See discussion under *Condylostylus smaragdulus*.
- ARGENTATUS (Aldrich), 1901:361 (*Psilopus*). Type-locality: Mexico, Guerrero and Tabasco. Distr. — Mexico, Brazil, Bolivia.
- ARGENTIFER Parent, 1929b:208, figs. 60-61. Type-locality: Brazil, Amazonas, Tefé. Distr. — Brazil.
- ARGENTIPES Parent, 1929b:209, figs. 62-63. Type-locality: Brazil, Amazon. Distr. — Brazil.
- ARMIPES (Bigot), 1890:284 (*Psilopus*). Type-locality: Brazil, Bahia. Distr. — Brazil, Panama, Honduras.
- goetghebuerti* Parent, 1929b:222, figs. 84-85. Type-locality: "Panama".
- ASTEQUINUS (Bigot), 1888c:xxx (*Psilopodinus*). Type-locality: "Mexico". Distr. — Mexico.
- ATRICAUDA (Aldrich), 1901:357 (*Psilopus*). Type-locality: Mexico, Teapa. Distr. — Mexico, Guatemala.
- angustatus* Van Duzee, 1929a:9, pl. 1, fig. 17 (*Psilopus*) (nec Enderlein, 1912). Type-locality: Guatemala, Quirigua. N. SYN.

- ATROLAMELLATUS (Aldrich), 1901:359 (*Psilopus*). Type-locality: Mexico, Teapa. Distr. — Mexico, Bolivia.
- ATROX Becker, 1922:273. Type-locality: Peru, Callanga. Distr. — Peru.
- BARBATULUS Becker, 1922:273. Type-locality: "Mexico". Distr. — Mexico.
- BARBATUS (Aldrich), 1901:359 (*Psilopus*). Type-locality: Mexico, Guerrero; Brazil, Rio de Janeiro. Distr. — Mexico, Brazil.
- BARBITARSUS Parent, 1928:179, figs. 46-49. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- EASILARIS (Wiedemann), 1830:215 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil, Peru.
- BELLULUS (Aldrich), 1896:343 (*Psilopus*). Type-locality: St. Vincent I. Distr. — Mexico, West Indies, Guyana, Brazil.
- BICOLORIPES (Van Duzee), 1929a:7, pl. 1, fig. 12 (*Psilopus*). Type-locality: Panama, Bella Vista. Distr. — Panama.
- BIFASCIATUS Parent, 1931:1, pl. 1, figs. 5-6. Type-locality: Bolivia, Mapiri. Distr. — Bolivia.
- BIFIMBRIATUS (Aldrich), 1901:353 (*Psilopus*). Type-locality: Mexico, Teapa. Distr. — Mexico.
- BISETA Becker, 1922:335. Type-locality: "Colombia". Distr. — Colombia.
- BISETOSUS Parent, 1930a:12, fig. 9. Type-locality: Brazil, Pará, Belém. Distr. — Brazil, Guyana.
- BISINUATUS Van Duzee, 1931c:4, figs 1-2. Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil.
- BITUBERCULATUS (Macquart), 1842:180, pl. 20, fig. 2 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- BREVICILIATUS Parent, 1929b:210, figs. 64-65. Type-locality: "Brazil". Distr. — Brazil.
- BREVIAMELLATUS Parent, 1929b:112, figs. 66-67. Type-locality: "Puerto Rico". Distr. — Puerto Rico.
- BREVIMANUS (Enderlein), 1912:400 (*Psilopus*). Type-locality: "Costa Rica". Distr. — Costa Rica.
- BREVIPEDIS Van Duzee, 1931c:2, figs. 17-18. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- BREVIS Becker, 1922:278. Type-locality: Costa Rica, Surubres. Distr. — Costa Rica.
- BREVISETA (Coquillett), 1902:140 (*Sciopus*). Type-locality: Mexico, Veracruz. Distr. — Mexico.
- CAESAR Becker, 1922:279. Type-locality: Bolivia, Mapiri; Peru: Chanchamayo, Ucayali, Meshagua. Distr. — Bolivia, Peru, Mexico.
- CAMPTOPUS Parent, 1928:180, figs. 50-52. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- var. DIVERSIFEMUR Parent, 1935:91. Type-locality: Mexico, west coast.
- CANCER Van Duzee, 1934b:366, pl. 1, fig. 1. Type-locality: Guyana, Georgetown. Distr. — Guyana.
- CAPITULATUS Parent, 1929b:113, figs. 68-70. Type-locality: Peru, Loreto, Pebas. Distr. — Peru.
- CAUDATUS (Wiedemann), 1830:224 (*Psilopus*). Type-locality: U.S.A., Georgia. Distr. — U.S.A. (California to New England s. to Florida), Canada (Quebec),? Central America,? West Indies,? South Ame-



rica. Tropical records are likely to be *C. graenicheri* Van Duzee or some other species.

CHRYSOBRASI (Walker), 1849:646 (*Psilopus*). Type-locality: "West Indies". Distr. — U.S.A. (North Carolina, Florida), Mexico, Central America, Panama, West Indies, Venezuela.

grisoprasius, error

ciliipes Aldrich, 1901:355, pl. 6, fig. 22 (*Psilopus*). Type-locality: Mexico: Guerrero, Morelos, Veracruz, Yucatán.

CILIATUS Parent, 1929b:214, figs. 71-73. Type-locality: "Venezuela". Distr. — Venezuela, Guyana.

CILITARSIS (Wulp), 1888:369 (*Psilopus*). Type-locality: Argentina, Córdoba. Distr. — Argentina.

CILITIBIA Parent, 1939:140, fig. 2. Type-locality: Honduras, Manatee. Distr. — Honduras.

CINCTIVENTRIS Van Duzee, 1934b:371, fig. 7. Type-locality: Colombia, Vista Nieve, San Lorenzo Mts. Distr. — Colombia.

CLATHRATUS (Macquart), 1842:181, pl. 21, fig. 2 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.

CLAVATUS (Van Duzee), 1929a:15, pl. 1, figs. 24-26 (*Psilopus*). Type-locality: Panama, Ancon. Distr. — Panama, U.S.A. (?Massachusetts).

CLAVIPES (Aldrich), 1901:363 (*Psilopus*). Type-locality: Mexico, Guerrero. Distr. — Mexico, Guatemala, Panama.

CLAVIPILUS Parent, 1929b:216, figs. 74-76. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.

CLUNALIS (Coquillett), 1902:141 (*Sciopus*). Type-locality: Mexico, Veracruz. Distr. — Mexico, Panama.

nitidicauda Van Duzee, 1929a:12, pl. 1, figs. 21-22, 29 (*Psilopus*). Type-locality: Panama, Barro Colorado I.

COCHLEARIS Becker, 1922:285, fig. 109. Type-locality: Brazil, Rio de Janeiro, Teresópolis, and São Paulo; Paraguay. Distr. — Brazil, Paraguay.

COMES Parent, 1933b:166, figs. 4-5. Type-locality: Venezuela, Porto Cabello. Distr. — Venezuela.

COMPLETUS Becker, 1922:287. Type-locality: Brazil, Rio de Janeiro, and São Paulo. Distr. — Brazil.

CONFLUENS Becker, 1922:288. Type-locality: Brazil, Santa Catarina. Distr. — Brazil.

CORCULUM (Walker), 1849:645 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.

CORNUTUS Van Duzee, 1931b:167, pl. 1, fig. 2. Type-locality: Panama, Barro Colorado I. Distr. — Panama.

COXALIS (Aldrich), 1901:357 (*Psilopus*). Type-locality: Mexico, Misantla. Distr. — Mexico.

CRINICAUDA Parent, 1929b:217, figs. 77-78. Type-locality: Peru, Loreto, Pebas. Distr. — Peru.

CTENOPUS (Enderlein), 1912:401 (*Psilopus*). Type-locality: Ecuador, Baños. Distr. — Ecuador, Peru, Bolivia.

CYLINDRICUS (Van Duzee), 1929a:9, pl. 1, fig. 16 (*Psilopus*). Type-locality: Panama, Gamboa, C.Z. Distr. — Panama.

- DECORIPES Becker, 1922:290. Type-locality: Peru, Callanga. Distr. — Peru.
- DENTATICAUDA Van Duzee, 1933b:66, pl. 4, figs. 1-2. Type-locality: Ecuador, Galápagos. Distr. — Ecuador (Galápagos).
- DENTICULATUS Van Duzee, 1931c:1. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- DEPRESSUS (Aldrich), 1901:359 (*Psilopus*). Type-locality: Mexico, Tabasco. Distr. — Mexico.
- DETEGENDUS Parent, 1935:92, fig. 42. Type-locality: "Ecuador". Distr. — Ecuador.
- DIFFUSUS (Wiedemann), 1830:221 (*Psilopus*). Type-locality: Brazil, Rio de Janeiro (as Savannah, Georgia, error, see Loew 1864:234). Distr. — Brazil, Puerto Rico.
- chaetophorus* Schiner, 1868:214 (*Psilopus*). Type-locality: "Brazil".
- DIGITATUS (Van Duzee), 1914a:391 (*Sciapus*). Type-locality: "Cuba". Distr. — Cuba, Guatemala, Panama, Peru.
- DIMINUANS Becker, 1922:293. Type-locality: Brazil, Santa Catarina. Distr. — Brazil.
- DISTINCTUS Van Duzee, 1931c:8. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- DIVERSIPES Becker, 1922:294. Type-locality: "Brazil". Distr. — Brazil.
- DIVES Parent, 1929b:220, figs. 82-83. Type-locality: Brazil, Amazonas, Maués. Distr. — Brazil.
- ELECTUS (Walker), 1852:207 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- ELEGANTULUS Becker, 1922:294. Type-locality: Costa Rica, Surrubres. Distr. — Costa Rica.
- EQUESTRIS (Fabricius), 1775:782 (*Musca*). Type-locality: "Brazil". Distr. — Brazil, Surinam.
- dux* Wiedemann, 1830:216 (*Psilopus*). Type-locality: "Surinam".
- ERECTUS Becker, 1922:296, fig. 111a. Type-locality: Paraguay, Asunción; Argentina, Corrientes. U.S.A., ?New York. Distr. — Paraguay, Argentina, Uruguay, ? U.S.A.
- EXEMTUS (Walker), 1852:208 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- EXQUISITUS (Walker), 1852:210 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- FACETUS Parent, 1933b:169, figs. 10-12. Type-locality: Colombia, Gorgona I. Distr. — Colombia.
- FASCINATOR Parent, 1933b:171, figs. 13-14. Type-locality: Venezuela, near Caracas. Distr. — Venezuela.
- FASTUOSUS Parent, 1933b:172, figs. 15-17. Type-locality: "Guyana". Distr. — Guyana.
- FELIX Becker, 1922:298. Type-locality: Brazil, Rio Grande do Sul "Savannah(?)". Distr. — Brazil.
- FENESTRELLA Parent, 1933b:173, figs. 18-19. Type-locality: Guyana, Esse-quiibo R. Distr. — Guyana.
- FILIFORMIS Becker, 1922:298, figs. 112-113. Type-locality: Peru, Meshagua, Urubamba River and mouth of River Pachitea; Bolivia, Mapiri. Distr. — Peru, Bolivia, Guyana.



- FILIPENICILLATUS (Enderlein), 1912:403 (*Psilopus*). Type-locality: Brazil, Santa Catarina. Distr. — Brazil.
- FIMBRIATUS Parent, 1928:189, figs. 67-69. Type-locality: Surinam, Marowijne R. Distr. — Surinam.
- FLAGELLATUS Becker, 1922:300, figs. 114-115. Type-locality: Peru, Meshagua, Urubamba. Distr. — Peru, Brazil.
- FLAGELLIPODEX Becker, 1922:301, fig. 116. Type-locality: "Paraguay". Distr. — Paraguay, Brazil.
- FLAVICOXA (Aldrich), 1901:363 (*Psilopus*). Type-locality: Mexico, Veracruz, Tabasco. Distr. — Mexico.
- FLAVILAMELLATUS Becker, 1922:303. Type-locality: Brazil, Bahia. Distr. — Brazil.
- FLAVIMANUS (Macquart), 1842:182 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- FLAVIZONATUS Parent, 1954:221, fig. 1. Type-locality: Colombia, Muzo, Dept. Boyaca. Distr. — Colombia.
- FLORIDUS Parent, 1939:142, figs. 3-4. Type-locality: Costa Rica, Surrubres. Distr. — Costa Rica.
- FORCIPATUS (Aldrich), 1901:362 (*Psilopus*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico, Guatemala, Panama.
- FRATERCULUS (Enderlein), 1912:405 (*Psilopus*). Type-locality: Brazil, Santa Catarina. Distr. — Brazil.
- FURCILLATUS Parent, 1928:176, figs. 38-39. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- FUSCIPENNIS Van Duzee, 1934b:369, pl. 1, fig. 5. Type-locality: Guyana, Kartabo. Distr. — Guyana.
- GENUALIS (Aldrich), 1901:358 (*Psilopus*). Type-locality: Mexico, Guerrero. Distr. — Mexico.
- GORGONENSIS Parent, 1933b:175, fig. 21. Type-locality: Colombia, Gorgona I. Distr. — Colombia.
- GRACILIS (Aldrich), 1904:280, 282 (*Psilopodinus*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil.
- GRAENICHERI (Van Duzee), 1927a:73, figs. 1-2 (*Psilopus*). Type-locality: U.S.A., Florida. Distr. — U.S.A. (Florida), West Indies, Mexico to Colombia.
- GUTTULA (Wiedemann), 1830:222 (*Psilopus*). Type-locality: "Brazil". (as Savannah, Georgia, error, see Loew 1864:237). Distr. — Brazil, Guyana.
- GUYANENSIS (Macquart), 1842:178 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil. Described from female.
- HAERETICUS (Walker), 1860:287 (*Psilopus*). Type-locality: "Mexico". Distr. — Mexico. Described from female.
- HAMIFORMIS Becker, 1922:306, fig. 117. Type-locality: Paraguay, S. Bernardino. Distr. — Paraguay.
- HIRSUTUS Becker, 1922:307. Type-locality: "Brazil". Distr. — Brazil.
- HIRTIPES (Aldrich), 1901:361 (*Psilopus*). Type-locality: Mexico, Guerrero. Distr. — Mexico.



- HIRTULUS* (Bigot), 1888c:xxix (*Psilopodinus*). Type-locality: "Haiti". Distr. — Haiti.
- IGNOBILIS* Becker, 1922:308. Type-locality: Paraguay, Asunción. Distr. — Paraguay, Surinam.
- IGNORATUS* Becker, 1922:309. Type-locality: "Costa Rica". Distr. — Costa Rica.
- IGNOTUS* Becker, 1922:309, fig. 118. Type-locality: Brazil, Rio de Janeiro, Teresópolis, and São Paulo. Distr. — Brazil.
- IMPATIENS* Becker, 1922:310. Type-locality: "Venezuela". Distr. — Venezuela, Colombia.
- IMPERATOR* (Aldrich), 1904:281, 283 (*Psilopodinus*). Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil, Bolivia, Peru, Ecuador.
- IMPERIALIS* (Fabricius), 1805:267 (*Dolichopus*). Type-locality: "Brazil". Distr. — Brazil.
- INCISURALIS* (Macquart), 1846:248, pl. 20, fig. 6 (*Psilopus*). Type-locality: Mexico, Yucatán. Distr. — Mexico.
- INORNATUS* (Aldrich), 1901:356 (*Psilopus*). Type-locality: Mexico, Guerrero, Morelos. Distr. — Mexico, U.S.A. (Arizona).
- INSIGNATUS* Parent, 1929b:223, figs. 86-87. Type-locality: "Venezuela". Distr. — Venezuela.
- INSULARIS* (Aldrich), 1896:344 (*Psilopus*). Type-locality: St. Vincent I. Distr. — St. Vincent I.
- INTERCEPTUS* (Aldrich), 1901:363 (*Psilopus*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico.
- JUCUNDUS* (Loew), 1861c:87 (*Psilopus*). Type-locality: "Cuba". Distr. — U.S.A. (Massachusetts, Pennsylvania), West Indies,? Brazil.
- LAETUS* Becker, 1922:315. Type-locality: Peru, Bolivia. Distr. — Peru, Bolivia, Brazil, Venezuela.
- propinquus* Parent, 1929b:229, figs. 97-98. Type-locality: "Venezuela".
- crassitarsis* Van Duzee, 1931c:3, fig. 16. Type-locality: Brazil, Rio de Janeiro.
- LATIMANUS* Van Duzee, 1931c:5, figs. 3-5. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- LAVATUS* Parent, 1930a:10, figs. 6-7. Type-locality: Brazil, Pará, Santarém, Faz. Taperinha. Distr. — Brazil, Honduras.
- LEPIDOPUS* Frey, 1928:22, fig. 1. Type-locality: Peru, Iquitos. Distr. — Peru. Very close to *C. patellitarsis* Becker.
- LEPIDUS* (Walker), 1852:207 (*Psilopus*). Type-locality: "Mexico". Distr. — Mexico, Venezuela.
- LEPRIEURI* (Macquart), 1842:179, pl. 20, fig. 5 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- LIBIDINOSUS* Parent, 1933b:177, figs. 22-23. Type-locality: Costa Rica, Golfo Dulce. Distr. — Costa Rica.
- LONGIPENNIS* (Van Duzee), 1929a:8, pl. 1, figs. 13-15 (*Psilopus*). Type-locality: Panama, Barro Colorado I; Ancon. Distr. — Panama.
- LONGIPILUS* Parent, 1929b:224, figs. 88-89. Type-locality: "Panama". Distr. — Panama.



- LONGISETA (Coquillett), 1902:141 (*Sciopus*). Type-locality: Mexico, Veracruz. Distr. — Mexico.
- LUNATOR Curran, 1925: 3, fig. 2. Type-locality: Guyana, Kaieteur. Distr. — Guyana.
- LUTEICINCTUS Parent, 1930a:11, fig. 8. Type-locality: Brazil, Pará, Santarém, Faz. Taperinha. Distr. — Brazil.
- LUTZI Freitas & Lopes, 1941:27, figs. 1-24. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- MELAMPUS (Loew), 1862:215 (*Psilopus*). Type-locality: "Mexico". Distr. — U.S.A. (Nevada to Colorado s. to Mexico), Mexico.
- MENSOR (Van Duzee), 1929a:6, pl. 1, figs. 8-11 (*Psilopus*). Type-locality: Panama, Bella Vista. Distr. — Panama.
- MIRIPENNIS Parent, 1931:2, pl. 1, fig. 7. Type-locality: Peru, Meshagua, Urubamba. Distr. — Peru.
- MIRIPES Parent, 1933b:178, figs. 24-25. Type-locality: Guyana, Essequibo R. Distr. — Guyana.
- MIRUS Parent, 1931:4, pl. 1, figs. 8-9. Type-locality: Peru, Chanchamayo. Distr. — Peru.
- MONILVENTRIS Parent, 1934:119, figs. 15-16. Type-locality: "Ecuador". Distr. — Ecuador.
- MUNDUS (Wiedemann), 1830:227 (*Psilopus*). Type-locality: U.S.A., Georgia. Distr. — U.S.A. (North Carolina to Florida), West Indies, Brazil.
- ciliatus* Loew, 1861c:88 (*Psilopus*). Type-locality: U.S.A., Florida.
- NIGRIPES (Macquart), 1842:181 (*Psilopus*). Type-locality: "Chile". Distr. — Chile.
- NIGRITIBIA Van Duzee, 1932b:183, fig. 1. Type-locality: "Cuba". Distr. — Cuba.
- NUBECULUS Becker, 1922:320, figs. 123-124. Type-locality: Colombia, Aracabaca. Distr. — Colombia, Venezuela.
- NUDIPES Becker, 1922:321. Type-locality: Surinam, Paramaribo; Peru, Callanga. Distr. — Surinam, Guyana, Peru.
- OCCIDENTALIS (Bigot), 1888c:xxix (*Psilopodinus*). Type-locality: U.S.A., California. Distr. — U.S.A. (Washington, Idaho, California), Canada (B.C.). Parent (1932b) in his review of the Bigot types, indicates that the original material of *Psilopodinus occidentalis* is mixed, 1 ♂ and 1 ♀ from California being the same as *C. pilicornis* (Aldrich), and 1 ♂ from Mexico being the same as *C. barbatus* (Aldrich). I select the California material as lectotypes.
- pilicornis* Aldrich, 1904:282 (*Psilopodinus*). Type-locality: U.S.A., Washington; Idaho; California.
- OCELLATUS Parent, 1930a:8, figs. 4-5. Type-locality: Brazil, Pará, Belém. Distr. — Brazil.
- OEDIPUS Becker, 1922:322. Type-locality: Brazil, Santa Catarina, Blumenau. Distr. — Brazil.
- ORNATICAUDA Van Duzee, 1931c:9, figs. 7-8. Type-locality: Brazil, Rio de Janeiro; and Bolivia, Santa Cruz, Piedra Blanca. Distr. — Brazil, Bolivia.
- ORNATUS Parent, 1931:5, pl. 1, figs. 10-11. Type-locality: Peru, Paso de Lares (as "Laristal"). Distr. — Peru.

- PAMPOECILUS (Bigot), 1888c:xxix (*Psilopodinus*). Type-locality: "Haïti". Distr. — Haïti.
- PANAMENSIS (Van Duzee), 1929a:12, pl. 1, fig. 20 (*Psilopus*). Type-locality: Panama, Bella Vista. Distr. — Panama.
- PATELLITARSIS Becker, 1922:322, figs. 125-129. Type-locality: Bolivia, Mapiri; Peru, Meshagua, Urubamba; Callanga. Distr. — Bolivia, Peru.
- PATIBULATUS (Say), 1823:87 (*Dolichopus*). Type-locality: U.S.A., Florida. Distr. — Canada (Quebec, ? Alberta), U.S.A. (w. to Nebraska, s. to Florida), Mexico, Central America.
- inficitus* Walker, 1849:649 (*Psilopus*). Type-locality: "Mexico".
- PECTINATOR Parent, 1930a:6, figs. 1-3. Type-locality: Brazil, Pará, Belem. Distr. — Brazil, French Guiana.
- PECTINATUS Becker, 1922:325, fig. 130. Type-locality: Bolivia, Mapiri, Lorenzopata. Distr. — Bolivia.
- PEDESTRIUS Becker, 1922:326, fig. 131. Type-locality: "Venezuela". Distr. — Venezuela, Panama.
- PENICILLIGER (Enderlein), 1912:398 (*Psilopus*). Type-locality: Brazil, Santa Catarina. Distr. — Brazil.
- PENNATUS Parent, 1929b:226, figs. 92-94. Type-locality: Brazil, Amazonas, Coari. Distr. — Brazil.
- PENNIFER (Aldrich), 1901:363 (*Psilopus*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico, Peru.
- PERACTUS (Walker), 1860:287 (*Psilopus*). Type-locality: "Mexico". Distr. — Mexico. Described from female.
- PERMODICUS (Walker), 1860:288 (*Psilopus*). Type-locality: "Mexico". Distr. — Mexico.
- PERSPICUUS Becker, 1922:328. Type-locality: "Brazil". Distr. — Brazil.
- PIIPES (Macquart), 1842:177, pl. 21, fig. 6 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- PILOSUS (Loew), 1861c:86 (*Psilopus*). Type-locality: "Cuba". Distr. — Cuba, Puerto Rico.
- PLUMITARSIS Parent, 1933b:181, figs. 27-29. Type-locality: Guyana, Esse-
quibo R. Distr. — Guyana.
- PLUTUS Parent, 1929b:228, figs. 95-96. Type-locality: Brazil, Amazonas, Coari. Distr. — Brazil.
- POLYCHROMUS (Bigot), 1890:289 (*Psilopodinus*). Type-locality: "Haïti". Distr. — Haïti.
- PORTORICENSIS (Macquart), 1834:450 (*Psilopus*). Type-locality: "Puerto Rico". Distr. — Puerto Rico, U.S.A. (Florida).
- POSTICATUS (Wiedemann), 1830:217 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil, Peru, Bolivia, Argentina.
- PRAESTANS (Aldrich), 1901:354 (*Psilopus*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico, Guatemala, Costa Rica, Guyana.
- PRESSITARSIS Parent, 1931:5, pl. 1, figs. 12-13. Type-locality: Peru, mouth of R. Pachitea. Distr. — Peru.
- PRODUCTIPES Parent, 1934b:121, figs. 17-18. Type-locality: Colombia, Bogotá. Distr. — Colombia.

- PRUINIFRONS Parent, 1929b:230, figs. 99-100. Type-locality: Brazil, Amazonas, Coari. Distr. — Brazil.
- PULCHER (Wiedemann), 1830:224 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- PULCHRIPES Becker, 1922:332. Type-locality: "Brazil". Distr. — Brazil.
- PULCHRITARSIS Van Duzee, 1931b:167, pl. 1, fig. 3. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- PUNCTUALBUM Parent, 1929b:233, figs. 103-104. Type-locality: Brazil, Amazonas, Coari. Distr. — Brazil.
- PURPURATUS (Aldrich), 1901:358 (*Psilopus*). Type-locality: Mexico, Morelos, Guerrero. Distr. — Mexico.
- PURPUREUS (Aldrich), 1901:362 (*Psilopus*). Type-locality: Mexico, Guerrero, Tabasco, Veracruz. Distr. — Mexico, Panama.
- QUADRICOLOR (Walker), 1849:649 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- RADIANS (Macquart), 1834:450 (*Psilopus*). Type-locality: "North America". Distr. — U.S.A. (Florida), Cuba, Panama, Guyana, Brazil, Peru.
- RETROCLIATUS Parent, 1931:6, figs. 14-15. Type-locality: Paraguay, Hohenau. Distr. — Paraguay.
- REX Parent, 1929b:234, figs. 105-106. Type-locality: Brazil, Amazonas, Manaus. Distr. — Brazil.
- RUBROCAUDA Van Duzee, 1931c:13, fig. 14-15. Type-locality: Bolivia, Santa Cruz, Piedra Blanca. Distr. — Bolivia.
- SACCICAUDA Parent, 1934b:122, figs. 19-20. Type-locality: Paraguay, Villarrica. Distr. — Paraguay.
- SALTI (Van Duzee), 1929b:37 (*Psilopus*). Type-locality: Cuba, Trinidad Mts. Distr. — Cuba.
- SCHNUSEI Becker, 1922:333, fig. 133. Type-locality: Peru, Pichis, Madre de Dios, Paso de Lares; Bolivia, Mapiri; Paraguay, Asunción. Distr. — Peru, Bolivia, Paraguay.
- SEMICILIATUS (Van Duzee), 1929a:11, pl. 1, figs. 18-19 (*Psilopus*). Type-locality: Guatemala, Antigua. Distr. — Guatemala.
- SEMINIGER Becker, 1922:335. Type-locality: Peru, Pichis, Meshagua, Urubamba; Bolivia, Mapiri. Distr. — Peru, Bolivia.
- SERENUS Becker, 1922:336. Type-locality: "Brazil"; Peru, Paso de Lares. Distr. — Brazil, Peru.
- SETTARSIS Van Duzee, 1931c:10, figs. 9, 13, 19. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- SEXSETOSUS Van Duzee, 1931d:1, fig. 1. Type-locality: Honduras, Tegucigalpa, La Ceiba. Distr. — Honduras, Trinidad.
- SIMILIS (Aldrich), 1901:359 (*Psilopus*). Type-locality: Mexico: Guerrero, Morelos, Tabasco, Veracruz, Yucatán; Brazil, Rio de Janeiro. Distr. — U.S.A. (Texas), Mexico, Colombia (Gorgona I.), Guyana, Brazil.
- SIMPLEX Becker, 1922:338. Type-locality: Peru, mouth of R. Pachitea. Distr. — Peru.



- SIMULANS** (Van Duzee), 1929a:16, pl. 1, figs. 27-28 (*Psilopus*). Type-locality: Panama, Barro Colorado I. Distr. — Panama, Colombia, Ecuador.
- SINGULARIS** Becker, 1922:338. Type-locality: "Venezuela". Distr. — Venezuela.
- SINUATUS** (Macquart), 1842:180 (*Psilopus*). Type-locality: Brazil, Rio Grande. Distr. — Brazil.
- SIPHO** (Say), 1823:84 (*Dolichopus*). Type-locality: "U.S.A." Distr. — SE Canada, U.S.A. (s. to Texas and Florida), ? Mexico, ? Cuba.
- SMARAGDULUS** (Wiedemann), 1830:225 (*Psilopus*). Type-locality: Uruguay, Montevideo. Distr. — Uruguay. Both this and *C. anceps* (Wiedemann) are described from females and are unidentifiable. They belong to the *C. caudatus* group and have been in the synonymy of that species, but as indicated by Van Duzee (1927a), *C. caudatus* probably does not occur in South America.
- SOLIDUS** (Walker), 1860:287 (*Psilopus*). Type-locality: "Mexico". Distr. — Mexico. Described from female.
- SQUAMIFER** Becker, 1922:340, figs. 134-135. Type-locality: Colombia, Aracataca; Peru, Urubamba. Distr. — Colombia, Peru, Guyana.
- STIGMA** (Fabricius), 1805:268 (*Dolichopus*). Type-locality: "Amer. merid.". Distr. — South America.
- guttipennis* Rondani, 1848:87 (*Psilopus*). Type-locality: "Amer. merid.".
- testaceipes* Rondani, 1848:88 (*Psilopus*). Type-locality: "Amer. merid.".
- testipes*, error.
- SUAVIUM** (Walker), 1849:648 (*Psilopus*). Type-locality: "Jamaica". Distr. — Jamaica.
- SUBCORDATUS** Becker, 1922:343. Type-locality: "Brazil". Distr. — Brazil.
- SUMPTUOSUS** Parent, 1929b:237, figs. 109-110. Type-locality: Brazil, Amazonas, Coari. Distr. — Brazil.
- SUPERBUS** (Wiedemann), 1830:223 (*Psilopus*). Type-locality: Uruguay, Montevideo. Distr. — Uruguay.
- SUPERFLUUS** (Schiner), 1868:210 (*Psilopus*). Type-locality: "Süd Amerika". Distr. — South America, Peru, Brazil.
- SURINAMENSIS** Parent, 1928:188, figs. 65-66. Type-locality: Surinam, upper Pará. Distr. — Surinam.
- TARSATUS** Van Duzee, 1932c:5, fig. 5. Type-locality: Jamaica, Claremont. Distr. — Jamaica.
- TENUIMANUS** Van Duzee, 1931d:2, fig. 2. Type-locality: Honduras, Tegucigalpa, La Ceiba. Distr. — Honduras.
- TENUPES** Becker, 1922:346. Type-locality: Peru, Callanga. Distr. — Peru.
- TENUIS** (Van Duzee), 1933c:151 (*Sciapus*; nom. nov. for *tenuitarsis* Van Duzee). Type-locality: Bolivia, Santa Cruz, Piedra Blanca. Distr. — Bolivia. N. COMB.
- tenuitarsis* Van Duzee, 1931c:12, fig. 10 (nec Meijere, 1915). Type-locality: Bolivia, Santa Cruz, Piedra Blanca.
- TERCILIATUS** Parent, 1928:187, fig. 62-64. Type-locality: St. Vincent I. Distr. — St. Vincent I.

- TERMINALIS Becker, 1922:346. Type-locality: Argentina, Tucumán. Distr. — Argentina.
- TIBIALIS (Wiedemann), 1830:222 (*Psilopus*). Type-locality: Antigua I. Distr. — West Indies.
- TONSUS (Aldrich), 1901:364 (*Psilopus*). Type-locality: Mexico, Tabasco. Distr. — Mexico.
- TRICHOSOMA (Bigot), 1890:285 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.
- TRIMACULATUS Van Duzee, 1931c:13, figs. 11-12. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- TRISERIATUS (Aldrich), 1901:356 (*Psilopus*). Type-locality: Mexico, Morelos, Tabasco; Brazil, Rio de Janeiro. Distr. — Mexico, Brazil.
- TUMANTUMARI Curran, 1925: 1, fig. 1. Type-locality: Guyana, Tumatumari. Distr. — Guyana.
- UMBRINERVIS Parent, 1933b:184, fig. 32. Type-locality: "Jamaica". Distr. — Jamaica. Described from female.
- UNGUIPES Becker, 1922:348. Type-locality: Peru, mouth of R. Pachitea. Distr. — Peru.
- UNISERIATUS Becker, 1922:349, figs. 138-139. Type-locality: Peru, Chanchamayo; Bolivia, Mapiri. Distr. — Peru, Bolivia.
- UNISETA Becker, 1922:350. Type-locality: unknown. Distr. — Costa Rica, Panama.
- VAGANS Becker, 1922:351. Type-locality: Costa Rica, Surrubres and Higuaito, San Mateo. Distr. — Costa Rica.
- VARITIBIA Van Duzee, 1932c:6, fig. 6. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- VELIFORMIS Becker, 1922:351, figs. 140-141. Type-locality: Peru, mouth of R. Pachitea; Meshagua, Urubamba. Distr. — Peru.
- VIGLANS Becker, 1922:353. Type-locality: Brazil, Santa Catarina. Distr. — Brazil.
- VILLOSUS Parent, 1928:175, figs. 36-37. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- VIOLACEUS (Macquart), 1842:178, pl. 20, fig. 3 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.

Genus LEPTORHETHUM Aldrich

- LEPTORHETHUM Aldrich, 1893:50. Type-species, *angustatum* Aldrich (mon.).
Ref. — Aldrich, 1896 (description, illustration)
- ANUSTATUM Aldrich, 1893:50. Type-locality: St. Vincent I. Distr. — St. Vincent I.
- TENUIPES Van Duzee, 1931a:252, figs. 2-3. Type-locality: Argentina, Buenos Aires. Distr. — Argentina.

Genus MEGISTOSTYLUS Bigot

- MEGISTOSTYLUS Bigot, 1859:215. Type-species *Psilopus crinicornis* Wiedemann (mon.) = *longicornis* (Fabricius).



Megystostylus, error.

Megistotylus, error.

Ref. — Parent, 1929b (key).

LONGICORNIS (Fabricius), 1775:783 (*Musca*). Type-locality: "Brazil". Distr. — West Indies, Brazil; Ceylon, Taiwan, Philippines, Indonesia.

LONGISETOSUS (Wulp), 1882:120, pl. 10, fig. 7 (*Psilopus*). Type-locality: "Brazil". Distr. — Brazil.

Genus MESORHAGA Schiner

MESORHAGA Schiner, 1868:217. Type-species, *tristis* Schiner (mon.).

Aptorthus Aldrich, 1893:48. Type-species, *albiciliatus* Aldrich (Coquillett, 1910:509). Ref. — Parent, 1929c (key).

ADUNCUS (Van Duzee), 1933a:1, fig. 52 (*Condylostylus*). Type-locality: Guatemala, Moca. Distr. — Guatemala. N. COMB.

ALBICILIATA (Aldrich), 1893:48 (*Aptorthus*). Type-locality: U.S.A., New Jersey. Distr. — U.S.A. (New Jersey, North Carolina, Georgia), Puerto Rico.

FUNEBRIS Parent, 1929c:16, figs. 21-22. Type-locality: Peru, Iquitos. Distr. — Peru.

JUCUNDA Becker, 1922:377, fig. 145. Type-locality: Paraguay, Asunción. Distr. — Paraguay, U.S.A. (? Georgia).

LACRYMANS Parent, 1928:182, figs. 53-54. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.

LAETA Becker, 1922:378, fig. 146. Type-locality: "Paraguay". Distr. — Paraguay.

ORNATIPES Van Duzee, 1932b:184, fig. 2. Type-locality: "Cuba". Distr. — Cuba.

TRISTIS Schiner, 1868:217. Type-locality: "Colombia". Distr. — Colombia.

Genus SCIAPUS Zeller

Psilopus Meigen, 1824:35 (preocc. Poli, 1795). Type-species, *Dolichopus platypterus* Fabricius (Westwood, 1840:134).

SCIAPUS Zeller, 1842:831 (nom. nov. for *Psilopus* Meigen). Type-species, *Dolichopus platypterus* Fabricius (aut.)

Sciopus, error.

Psilopodinus Bigot, 1888b:xxiv (also 1888c:xxix). Type-species, *Dolichopus platypterus* Fabricius (orig. des.).

Gnamptopsilopus Aldrich, 1893:48. Type-species, *Psilopus scintillans* Loew (Coquillett, 1910:547).

Agonosoma, authors, not Guérin-Méneville.

Ref. — Van Duzee, 1915b; Steyskal, 1966 (keys).

ALBIFACIES Parent, 1931:6, pl. 1, fig. 16. Type-locality: Bolivia, Mapiri, Lorenzopata. Distr. — Bolivia.

ANGELICUS Parent, 1930b:109, figs. 34-35. Type-locality: "Haiti". Distr. — Haiti.

- ANGUSTIFRONS Parent, 1929b:241, figs. 115-117. Type-locality: Brazil, Amazon. Distr. — Brazil.
- ANTENNATUS Becker, 1922:363. Type-locality: "Peru". Distr. — Peru.
- ARMIGER Van Duzee, 1931b:169, pl. 1, figs. 4-6. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- BELLIMANUS (Van Duzee), 1927b:10 (*Psilopus*). Type-locality: Dominican Republic. Distr. — Hispaniola. N. COMB.
- BILOBUS (Van Duzee), 1929a:3, pl. 1, figs. 1-3 (*Psilopus*). Type-locality: Panama, Fort Davis. Distr. — Panama.
- CAPILLIMANUS (Enderlein), 1912:402, figs. B-D (*Psilopus*). Type-locality: Brazil, Santa Catarina. Distr. — Brazil.
- CASTUS (Loew), 1866a:180 (*Psilopus*). Type-locality: "Cuba". Distr. — Cuba.
- CILICOSTATUS (Van Duzee), 1927b:8 (*Psilopus*). Type-locality: Jamaica, Clarendon. Distr. — Jamaica. N. COMB.
- CILIPENNIS (Aldrich), 1901:366, pl. 6, fig. 24 (*Gnamptopsilopus*). Type-locality: Mexico, Guerrero. Distr. — Mexico, Costa Rica.
- innoxius* Parent, 1934b:123, figs. 21-22. Type-locality: Costa Rica, near Cartago.
- DIGITATUS Van Duzee, 1914a:391. Type-locality: "Cuba". Distr. — Cuba.
- DIMIDIATUS (Loew), 1862:216 (*Psilopus*). Type-locality: "Mexico". Distr. — U.S.A. (Arizona), Mexico, Puerto Rico, Venezuela, Brazil.
- DORSALIS (Loew), 1866a:180 (*Psilopus*). Type-locality: "Cuba". Distr. — U.S.A. (Missouri to Maryland s. to Florida), West Indies.
- FLAVIANNULATUS (Van Duzee), 1929a:14, pl. 1, fig. 23 (*Psilopus*). Type-locality: Panama, Bella Vista; Guatemala, Obispo, La Providencia. Distr. — Guatemala, Panama.
- FLAVICORNIS (Aldrich), 1896:342 (*Gnamptopsilopus*). Type-locality: St. Vincent I. Distr. — St. Vincent I., Grenada I.
- FLAVIDUS (Aldrich), 1896:341, pl. 12, fig. 109 (*Gnamptopsilopus*). Type-locality: St. Vincent I. Distr. — St. Vincent I., Grenada I.
- GILVIPES (Enderlein), 1912:404 (*Psilopus*). Type-locality: Brazil, Santa Catarina. Distr. — Brazil.
- GRATIOSUS Becker, 1922:366. Type-locality: "Brazil". Distr. — Brazil.
- INAEQUALIS (Van Duzee), 1927b:8 (*Psilopus*). Type-locality: Virgin Islands, St. Thomas. Distr. — Virgin Islands. N. COMB.
- INFUMATUS (Aldrich), 1901:365 (*Gnamptopsilopus*). Type-locality: Mexico, Guerrero. Distr. — U.S.A. (Arizona), Mexico.
- LATIFACIES (Van Duzee), 1934b:370, pl. 1, fig. 6 (*Condyllostylus*). Type-locality: Guyana, Kartabo. Distr. — Guyana. N. COMB.
- LECTUS Becker, 1922:366. Type-locality: "America". Distr. — America.
- LONGIPES (Van Duzee), 1929a:3, pl. 1, fig. 4 (*Psilopus*). Type-locality: Panama, Bella Vista. Distr. — Panama.
- MACULA (Wiedemann), 1830:219 (*Psilopus*). Type-locality: West Indies, Crab I. (= Vieques). Distr. — West Indies.
- MEDIANUS (Becker), 1922:317, fig. 121 (*Condyllostylus*). Type-locality: Peru, Callanga. Distr. — Peru. N. COMB.



- MEXICANUS** (Aldrich), 1901:365 (*Gnamptopsilopus*). Type-locality: Mexico, Veracruz, and Tabasco. Distr. — Mexico.
- NIGRIMANUS** Van Duzee, 1914a:392. Type-locality: Guatemala, Los Amates and Marales. Distr. — Guatemala.
- NODITARSIS** Becker, 1922:368. Type-locality: Brazil, Santa Catarina, Blumenau. Distr. — Brazil.
- NUBILLIPENNIS** (Van Duzee), 1927b:7 (*Psilopus*). Type-locality: Puerto Rico, Adjuntas. Distr. — Puerto Rico.
- PARVUS** Van Duzee, 1933c:151 (nom. nov. for *pectoralis* Van Duzee). Distr. — Panama. Type-locality: Panama, Barro Colorado, and Corozal.
- pectoralis* Van Duzee, 1931b:168 (nec *pectoralis* Meijere, 1913). Type-locality: Panama, Barro Colorado and Corozal.
- PLANIPES** (Van Duzee), 1929a:6, pl. 1, fig. 7 (*Psilopus*). Type-locality: Panama, Mount Hope. Distr. — Panama.
- PSITTACINUS** (Loew), 1861c:96 (*Psilopus*). Type-locality: U.S.A., Florida. Distr. — U.S.A. (New Jersey, Georgia, Florida), West Indies.
- SCINTILLANS** (Loew), 1861c:94 (*Psilopus*). Type-locality: U.S.A., "Middle States". Distr. — U.S.A. (Minnesota and Iowa to New Hampshire), Costa Rica, South America.
- angustatus* Enderlein, 1912:405 (*Psilopus*). Type-locality: Brazil, Santa Catarina.
- SPINIMANUS** (Van Duzee), 1927b:6 (*Psilopus*). Type-locality: Puerto Rico, Sanchez. Distr. — Puerto Rico. N. comb.
- STRIATICOLLIS** Becker, 1922:370, fig. 143. Type-locality: "Brazil". Distr. — Brazil.
- TENER** (Loew), 1862:217 (*Psilopus*). Type-locality: U.S.A., Pennsylvania. Distr. — Canada (Quebec), U.S.A. (Michigan and Maine to Florida), South America.
- UNICINCTUS** (Van Duzee), 1927b:6 (*Psilopus*). Type-locality: Haiti, Aux Cayes; Virgin Islands, St. John. Distr. — Haiti, Virgin Islands. N. comb.
- UNIFASCIATUS** (Say), 1823:85 (*Dolichopus*). Type-locality: U.S.A., Pennsylvania. Distr. — Canada (Ontario), U.S.A. (Michigan and Rhode Island s. to Louisiana and Florida), Dominica I.
- sayi* Wiedemann, 1830:219 (*Psilopus*; unjustified nom. nov. for *unifasciatus* Say). Type-locality: U.S.A., Pennsylvania.
- VARIEGATUS** (Loew), 1861c:95 (*Psilopus*). Type-locality: U.S.A., Florida. Distr. — U.S.A. (New Jersey, Georgia, Florida, Texas), Cuba, Central and South America.

Subfamily NEURIGONINAE

Genus ARGENTINIA Parent

ARGENTINIA Parent, 1931:17. Type-species, *annulitarsis* Parent (mon.)

The genus was originally described in the Medeterinae but is placed here because of its narrow pollinose face.

ANNULITARSIS Parent, 1931:17, pl. 3, figs. 65-68. Type-locality: Argentina, Corrientes. Distr. — Argentina.

Genus COELINIUM Parent

COELINIUM Parent, 1939:148. Type-species, *bicolor* Parent (orig. des.).

The genus was originally placed in the Stolidosominae but is placed here because of the flattened posterior slope of the mesoscutum and the narrow pollinose face.

BICOLOR Parent, 1939:149, figs. 12-14. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.

UNICOLOR Parent, 1939:150, fig. 15. Type-locality: Argentina, Mendoza. Distr. — Argentina.

Genus COELOGLUTUS Aldrich

COELOGLUTUS Aldrich, 1896:338. Type-species, *concavus* Aldrich (mon.).

The genus has been placed in the Medeterinae but is placed here because of its narrow pollinose face.

CONCAVUS Aldrich, 1896:338, pl. 11, fig. 105. Type-locality: St. Vincent I. Distr. — Puerto Rico, Dominica I., St. Vincent I.

SINUATA (Parent), 1928:159, figs. 11-12 (*Medetera*). Type-locality: Costa Rica, La Caja. Distr. — Guatemala, Costa Rica. N. comb.

bicoloripes Van Duzee, 1933d:15, figs. 25-26. Type-locality: Guatemala, Guatemala, Moca and Santa Adelaide. N. syn.

Genus NEOTONNOIRIA Robinson, nom. nov.

Tonnoiria Parent, 1929b:184 (preocc. Malloch, 1929). Type-species, *angustifacies* Parent (mon.).

NEOTONNOIRIA Robinson, nom. nov. for *Tonnoiria* Parent. Type-species, *angustifacies* Parent (aut.).

For details regarding priority of *Tonnoiria* Malloch see Steyskal (1968).

ANGUSTIFACIES (Parent), 1929b:185, figs. 23-25 (*Tonnoiria*). Type-locality: Brazil, Amazonas, Itaituba. Distr. — Brazil. N. comb.

Genus NEURIGONA Rondani

NEURIGONA Rondani, 1856:142. Type-species, *Musca quadrifasciata* Fabricius (orig. des.).

Saucropus Loew, 1857a:41 (unjustified nom. nov. for *Neurigona* Rondani). Type-species, *Musca quadrifasciata* Fabricius (aut.).

Dactylomyia Aldrich, 1894:151. Type-species, *gracilipes* Aldrich (mon.) = *lateralis* (Say).

Ref. — Van Duzee, 1913b (revision); Van Duzee, 1930b (key).

AMERICANA Parent, 1934a:275, pl. 71, figs. 37-38. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.

BICOLOR Van Duzee, 1933d:9, figs. 19-20. Type-locality: Guatemala, Guatemala, Moca. Distr. — Guatemala.

BRASILIENSIS (Schiner), 1868:218 (*Saucropus*). Type-locality: "Brazil". Distr. — Brazil. Described from female.

CINEREICOLLIS (Wulp), 1888:370 (*Saucropus*). Type-locality: Argentina, Córdoba. Distr. — Argentina.

- CORUSCANS** Parent, 1928:161, figs. 16-17. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- DECORA** Aldrich, 1902:83. Type-locality: Grenada I., St. Vincent I. Distr. — Lesser Antilles.
- DERELICTA** Parent, 1928:162, fig. 18. Type-locality: Costa Rica, La Caja. Distr. — Guatemala, Costa Rica, Panama.
- banksi** Van Duzee, 1929a:30, pl. 2, fig. 42. Type-locality: Panama, Barro Colorado; Guatemala, La Providencia, Siquinala. N. SYN.
- GROSSICAUDA** Van Duzee, 1931c:24, fig. 28. Type-locality: "Guyana".
- LAMPROSTETHUS** (Philippi), 1865:776 (*Dolichopus*). Type-locality: Chile, Valdivia. Distr. — Chile.
- MACULIPENNIS** Van Duzee, 1929a:31, pl. 2, fig. 43. Type-locality: Panama, Paraiso. Distr. — Panama.
- MELINI** Frey, 1928:22. Type-locality: Peru, Roque, East Andes. Distr. — Peru.
- ORBICULARIS** Becker, 1922:162. Type-locality: Paraguay, S. Bernardino. Distr. — Paraguay.
- SIGNIFER** Aldrich, 1896:337. Type-locality: St. Vincent I. Distr. — Mexico (Veracruz), Nicaragua, Lesser Antilles, Bolivia.
- THORACICA** Van Duzee, 1931b:178. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- VRIDIS** Van Duzee, 1913b:43, pl. 1, fig. 15. Type-locality: U.S.A., New York; New Hampshire; Virginia. Distr. — U.S.A. (eastern), Costa Rica.

Genus NOTOBOTHRUS Parent

- NOTOBOTHRUS** Parent, 1931:19. Type-species, *longilamellatus* Parent (mon.).
- LONGILAMELLATUS** Parent, 1931:19, pl. 3, figs. 72-74. Type-locality: Peru, Urubamba R., Umuhuankiali. Distr. — Peru.

Subfamily MEDETERINAE

Genus MEDETERA Fischer von Waldheim

- MEDETERA** Fischer von Waldheim, 1819:7 and pl. Type-species, *carnivora* Fischer von Waldheim (mon.) = *diadema* (Linnaeus).

Medeterus, error or emend.

The adults of *Medetera* are usually found on tree trunks or other wooden objects. The larvae of some species feed on the immature stages of wood-boring beetles. I have seen some tropical species in close proximity to termite nests, and possibly there is some connection. Ref. — Van Duzee, 1929a, 1931b (keys); De Leon, 1935 (biol.).

- ABRUPTA** Van Duzee, 1919a:270. Type-locality: Guatemala, Pt. Barrios. Distr. — Guatemala.
- ALBITARSIS** Van Duzee, 1931b:184, fig. 22. Type-locality: Panama, Barro Colorado I.; France Field; Honduras, Tegucigalpa. Distr. — Panama, Honduras.

- ALTERA** Parent, 1931:18, pl. 3, fig. 69. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- AMPLIMANUS** Van Duzee, 1931b:182, pl. 1, fig. 19. Type-locality: Panama. Corozal. Distr. — Panama.
- ANUS** Becker, 1922:130. Type-locality: "Paraguay". Distr. — Paraguay.
- BELLA** Van Duzee, 1929a:34. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- DILATATA** Becker, 1922:131, figs. 53-54. Type-locality: Peru, Pinipini, Meshagua, Urubamba; Bolivia, Mapiri, Sarampiuni. Distr. — Peru, Bolivia.
- EXCAVATA** Becker, 1922:132, fig. 55. Type-locality: Bolivia, Mapiri, Sarampiuni; Peru, Ucayali, Meshagua.
- EXCIPIENS** Becker, 1922:133. Type-locality: Paraguay, S. Bernardino; U.S.A., ? South Carolina. Distr. — Paraguay, ? U.S.A.
- EXIGUUS** Aldrich, 1902:91. Type-locality: Grenada I. Distr. — Grenada I.
- FLABELLIFERA** Becker, 1922:134, fig. 56. Type-locality: Peru, Meshagua, Urubamba. Distr. — Peru.
- FLAVICORNIS** Becker, 1922:135. Type-locality: Peru, Ucayali, Unini. Distr. — Peru.
- FLAVIPES** Van Duzee, 1919a:269. Type-locality: Guatemala, Los Amates. Distr. — Guatemala.
- FLAVISETA** Van Duzee, 1929a:37. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- FLAVITARSIS** Van Duzee, 1930b:74. Type-locality: Peru, Lima, Matucana. Distr. — Peru.
- JAMAICENSIS** Curran, 1928:35. Type-locality: "Jamaica". Distr. — Jamaica.
- METALLICA** Becker, 1922:135. Type-locality: Peru, Meshagua, Urubamba; mouth of R. Pachitea, Chanchamayo, Ucayali. Distr. — Peru.
- MINOR** Becker, 1922:136, fig. 57. Type-locality: Paraguay, S. Bernardino. Distr. — Paraguay.
- NIGRIMANUS** Van Duzee, 1931b:181, pl. 1, fig. 18. Type-locality: Panama' Barro Colorado I.; Corozal; France Field. Distr. — Panama.
- OCCIDENTALIS** Schiner, 1868:222. Type-locality: "Venezuela" (as "Colombia"). Distr. — Venezuela.
- OVATA** Van Duzee, 1931b:183, pl. 1, fig. 21. Type-locality: Panama, Corozal. Distr. — Panama.
- PALLIDICORNIS** Van Duzee, 1929a:36, pl. 2, 51 Type-locality: Guatemala, Obispo, La Providencia. Distr. — Guatemala.
- PEDESTRIS** Becker, 1922:137, fig. 58. Type-locality: Peru, Ucayali, Unini, mouth of R. Pachitea; Surinam, Paramaribo. Distr. — Colombia, Peru, Surinam.
- FLANIPES** Van Duzee, 1919a:269. Type-locality: Guatemala, Los Amates. Distr. — Guatemala.
- PLEBEIA** Parent, 1928:158, fig. 10. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- PLUMOSA** Parent, 1931:18, pl. 3, fig. 70. Type-locality: Peru, mouth of R. Pachitea, Meshagua, Urubamba, Ucayali, Unini. Distr. — Peru.



- POLLINOSA Van Duzee, 1929a:34, pl. 2, figs. 47-48, 52. Type-locality: Panama, Barro Colorado. Distr. — Panama.
- SCAURA Van Duzee, 1929a:35, pl. 2, fig. 50. Type-locality: Guatemala, Obispo, La Providencia; Alta Vera Paz, Cobán. Distr. — Guatemala.
- SETOSA Parent, 1931:18. Type-locality: Peru, Pinipini. Distr. — Peru.
- SPINULATA Parent, 1931:19. Type-locality: Peru, Ucayali, Unini. Distr. — Peru.
- TARSATA Parent, 1931:19, pl. 3, fig. 71. Type-locality: Bolivia, Mapiri, Sarapiuni. Distr. — Bolivia.
- TRITTARSIS Parent, 1928:158, figs. 8-9. Type-locality: Costa Rica, La Caja. Distr. — Guatemala, Costa Rica.
- UNICOLOR Becker, 1922:139. Type-locality: Peru, Meshagua, Urubamba. Distr. — Peru.
- VARIPES Van Duzee, 1929a:36, pl. 2, fig. 46. Type-locality: Guatemala, Obispo, La Providencia. Distr. — Guatemala.
- VIRIDICOLOR Becker, 1922:139. Type-locality: "Paraguay". Distr. — Paraguay.
- VIRIDIVENTRIS Van Duzee, 1933c:152 (nom. nov. for *currani* Van Duzee). Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- currani* Van Duzee, 1931b:182 (preocc. Parent, 1931). Type-locality: Panama, Barro Colorado I.
- XANTHOTRICHIA Becker, 1922:140. Type-locality: Trinidad, Port of Spain. Distr. — Trinidad.

Genus MICROCHRYSTOTUS Robinson

- MICROCHRYSTOTUS Robinson, 1964b:251. Type-species, *mirabilis* Robinson (orig. des.).
- MIRABILIS Robinson, 1964b:251, figs. 6-7. Type-locality: Mexico, Oaxaca, Valle Nacional. Distr. — Mexico.
- TARSALIS Robinson, 1964b:252, figs. 8-9. Type-locality: Mexico, Oaxaca, Valle Nacional. Distr. — Mexico.

Genus MICROCYRTURA Robinson

- MICROCYRTURA Robinson, 1964b:245. Type-species, *campsicnemoides* Robinson (orig. des.).
- Ref. — Robinson, 1964b (key).
- CAMPSICNEMOIDES Robinson, 1964b:246, figs. 1-2. Type-locality: Mexico, Hidalgo, Chapulhuacán. Distr. — Mexico (Hidalgo, San Luis Potosí).
- LAMELLATA Robinson, 1964b:250, fig. 3. Type-locality: Mexico, Puebla. Distr. — Mexico (Puebla).
- METATARSALIS Robinson, 1964b:248, fig. 4. Type-locality: Mexico, Guerrero, Tierra Colorada. Distr. — Mexico (Guerrero, Chiapas).
- OAXACENSIS Robinson, 1964b:248, fig. 5. Type-locality: Mexico, Oaxaca, Valle Nacional. Distr. — Mexico (Oaxaca).

Genus THRYTICUS Gerstäcker

THRYPTICUS Gerstäcker, 1864:43. Type-species, *smaragdinus* Gerstäcker (mon.).

Aphantotimus Wheeler, 1890:375. Type-species, *willistoni* Wheeler (Coquillett, 1910:508).

Xanthotricha Aldrich, 1896:339. Type-species, *cupulifera* Aldrich (pres. des.).

The larvae of *Thrypticus* are plant miners. They have reduced mouth parts and are probably phytophagous. Ref. — Van Duzee, 1930b, 1931a; Robinson, 1964a (keys).

ABDOMINALIS (Say), 1829:169 (*Chrysotus*). Type-locality: U.S.A., Indiana. Distr. — U.S.A. (Kansas to Michigan and Pennsylvania s. to North Carolina), Costa Rica, Dominica I.

ACUTICAUDA Van Duzee, 1929a:37, pl. 2, fig. 53. Type-locality: Guatemala, Antigua, El Salto. Distr. — Guatemala.

ADAUCTUS Parent, 1933a:256, figs. 19-21. Type-locality: Bolivia, San José. Distr. — Bolivia.

AMOENUS Becker, 1922:144, fig. 59. Type-locality: Bolivia, Sorata. Distr. — Bolivia.

ANALIS Becker, 1922:145. Type-locality: Paraguay, Chaco. Distr. — Paraguay.

BASALIS Van Duzee, 1930b:75. Type-locality: Chile, Los Andes. Distr. — Chile.

BREVECAUDA Van Duzee, 1930b:76. Type-locality: Peru, Lima. Distr. — Peru.

CAUDATUS Parent, 1939:148. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.

CUPULIFERA (Aldrich), 1896:339, pl. 11, figs. 106-106a (*Xanthotricha*). Type-locality: St. Vincent I. Distr. — Mexico, West Indies, Bolivia.

EDWARDSI Van Duzee, 1931a:248, fig. 6. Type-locality: Argentina, Buenos Aires. Distr. — Argentina.

FLAVICORNIS Van Duzee, 1933d:13, figs. 22-23. Type-locality: Peru, Puerto Bermúdez, Rio Pichis. Distr. — Peru.

FRATERCULUS (Wheeler), 1890:376 (*Aphantotimus*). Type-locality: U.S.A., Wisconsin. Distr. — U.S.A. (Alaska, California to Minnesota and Tennessee), Canada (Ontario), Mexico, West Indies, Chile.

INSULANUS Van Duzee, 1933d:14, fig. 24. Type-locality: St. Lucia I. Distr. — St. Lucia I.

MINOR (Aldrich), 1896:340 (*Xanthotricha*). Type-locality: St. Vincent I. Distr. — St. Vincent I., Grenada I.

MINUTUS Parent, 1929b:186, fig. 26. Type-locality: U.S.A., Texas. Distr. — U.S.A. (Texas), Mexico

NIGRISETA Van Duzee, 1931a:247, fig. 5. Type-locality: Argentina, Buenos Aires. Distr. — Argentina.



- FALLIDICOXA Parent, 1928:161, fig. 15. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- PARVULUS Van Duzee, 1930c:86. Type-locality: St. Vincent I. Distr. — Dominica I., St. Vincent I.
- PENICILLATUS Van Duzee, 1931a:246, fig. 4. Type-locality: Argentina, Buenos Aires. Distr. — Argentina.
- PUSILLUS Aldrich, 1901:349. Type-locality: Mexico, Teapa. Distr. — Mexico.
- SCHMIDTI Parent, 1928:160, figs. 13-14. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- SCUTELLATUS Van Duzee, 1931b:184, fig. 23. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- SINGULARIS (Aldrich), 1896:340 (*Xanthotricha*). Type-locality: St. Vincent I. Distr. — St. Vincent I.
- SPRETUS Parent, 1934b:138, figs. 46-47. Type-locality: Mexico, Veracruz, Medellin. Distr. — Mexico.
- VIOLACEUS Van Duzee, 1927b:5. Type-locality: Puerto Rico, Arecibo. Distr. — U.S.A. (Florida), West Indies.
- setosus* Robinson, 1964:118, pl. 6, figs. 113-114. Type-locality: U.S.A., Florida.
- WILLISTONI (Wheeler), 1890:376 (*Aphantotimus*). Type-locality: U.S.A., Wisconsin. Distr. — U.S.A. (Wyoming, Iowa and Missouri to Massachusetts s. to Tennessee and North Carolina), ?Paraguay.

Subfamily SYSTEMINAE

Genus SYSTEMUS Loew

- SYSTEMUS Loew, 1857a:34. Type-species, *Rhaphium adpropinquans* Loew (Foote, Coulson, & Robinson, 1965:517) = *pallipes* (Roser).

Species of *Systemus* are usually reared from decaying wood or tree-hole debris. Larvae have a distinctive pair of rather large prolegs, and they are said to normally live in the oozing sap wounds of deciduous trees

- RAPTOR Becker, 1922:158, figs. 61-62. Type-locality: "Paraguay". Distr. — Paraguay.

Subfamily XANTHOCHLORINAE

Genus ACHALCUS Loew

- ACHALCUS Loew, 1857a:30. Type-species, *Porphyrops flavicollis* Meigen (pres. des.).

The genus name has been applied rather indiscriminately in America. Even after transfer of many species to other genera, there remain a few species, usually yellowish in color, from southern South America. There are similar species described from New Zealand. Ref. — Van Duzee, 1930b (key).

- ALBIPALPUS Parent, 1931:20, pl. 3, fig. 75. Type-locality: Chile, Corral. Distr. — Chile.

- BREVINERVIS Van Duzee, 1930b:23, pl. 2, figs. 56-57. Type-locality: Chile, Puerto Montt. Distr. — Chile.
- LONGICORNIS Van Duzee, 1930b:22, pl. 2, figs. 53-55. Type-locality: Chile, Casa Pangue. Distr. — Chile.
- THORACICUS (Philippi), 1865:775 (*Chrysotus*). Type-locality: Chile, Valdivia. N. COMB.

Genus XANTHINA Aldrich

- XANTHINA Aldrich, 1902:92. Type-species, *plumicauda* Aldrich (mon.).

The genus seems very close to *Achalcus* except for the lack of true preapical bristles on the femora. The palpi are often highly developed and ornate.

- FLAVUS (Aldrich), 1896:326 (*Chrysotus*). Type-locality: St. Vincent I. Distr. — St. Vincent I.
- NIGROMACULATA Van Duzee, 1931b:179, pl. 1, fig. 16. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- PLUMICAUDA Aldrich, 1902:92, fig. 1. Type-locality: Grenada I. Distr. — Grenada I.
- SUBCURVA Van Duzee, 1931b:179, pl. 1, fig. 17. Type-locality: Panama, Barro Colorado I. Distr. — Panama.

Subfamily ENLINIINAE

Genus ENLINIA Aldrich

- Collinellula* Aldrich, 1932:4 (preocc. Strand, 1928). Type-species, *magistri* Aldrich (mon.).
- ENLINIA Aldrich, 1933:168 (nom. nov. for *Collinellula* Aldrich). Type-species, *Collinellula magistri* Aldrich (aut.).

The genus is rarely collected because of the small size of the insects and their habit of hovering or meandering flight close to the substrate. Though not reflected in the literature, the genus may have more species than any other in the Neotropical region. On the basis of limited collecting, I know at present of 52 undescribed species from Mexico, 4 from Panama, and 6 from the island of Dominica.

- ATRATUS (Van Duzee), 1930b:24 (*Achalcus*). Type-locality: Chile, Ancud. Distr. — Chile. N. COMB.
- CILIATA Robinson, 1964a:124, pl. 2, figs. 22-25. Type-locality: U.S.A., North Carolina. Distr. — U.S.A. (Maryland and Indiana s. to North Carolina and Tennessee), Mexico (Veracruz).
- SORDIDUS (Aldrich), 1896:339, pl. 11, figs. 107-107a (*Achalcus*). Type-locality: St. Vincent I. Distr. — St. Vincent I., Grenada I.
- The following species is described as having characters close to the genus *Enlinia*, but as having antennae of very different structure. If the described features can be confirmed the species should probably be placed in a new genus.
- EDWARDSAE (Van Duzee), 1930b:24, pl. 2, figs. 58-59 (*Achalcus*). Type-locality: Chile, Concepción. Distr. — Chile. N. COMB.

Genus HARMSTONIA Robinson

HARMSTONIA Robinson, 1964a:122. Type-species, *intricata* Robinson (orig. des.).

The adults of *Harmstonia* are similar in size, basic wing structure, and habits to those of *Enlania*. At least some of the species seem to favor areas where there are substrates with a high pH. Ref. — Robinson, 1967b (revision).

- ATTENUATA Robinson, 1967b:7, fig. 6. Type-locality: Mexico, Guerrero. Distr. — Mexico.
- CLAVICAUDA Robinson, 1967b:8, fig. 7. Type-locality: Mexico, Chiapas. Distr. — Mexico (Chiapas, Morelos, Veracruz).
- COSTARICENSIS Robinson, 1967b:10, fig. 10. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica.
- MEGALOPYGA Robinson, 1967b:9, fig. 8. Type-locality: Mexico, San Luis Potosí, Tamazunchale. Distr. — Mexico (San Luis Potosí, Chiapas).
- ORSCURA Robinson, 1967b:6, fig. 4. Type-locality: Mexico, Chiapas. Distr. — Mexico (Chiapas, Guerrero).
- ORNATA Robinson, 1967b:11, fig. 11. Type-locality: Mexico, Guerrero. Distr. — Mexico.
- PALLIDA Robinson, 1967b:6, fig. 5. Type-locality: Mexico, San Luis Potosí. Distr. — Mexico.
- PECTINICAUDA Robinson, 1964a:123 (also 1967b:4, figs. 2, 15). Type-locality: U.S.A., Virginia. Distr. — U.S.A. (Virginia), Mexico (San Luis Potosí s. to Guerrero e. to Chiapas).
- PUBESCENS Robinson, 1967b:13, fig. 13. Type-locality: Mexico, Chiapas, near Pichucalco. Distr. — Mexico.
- RECTA Robinson, 1967b:12, fig. 12. Type-locality: Mexico, Hidalgo, Chapulhuacán. Distr. — Mexico (Hidalgo, San Luis Potosí).
- SETOSA Robinson, 1967b:10, fig. 9. Type-locality: Mexico, Hidalgo, Chapulhuacán. Distr. — Mexico (Hidalgo, San Luis Potosí).
- SIMPLEX Robinson, 1967b:5, figs. 3, 16. Type-locality: Dominica I. Distr. — Dominica I.

Subfamily PELOROPEODINAE

Genus CHRYSOTIMUS Loew

- CHRYSOTIMUS Loew, 1857a:46. Type-species, *pusio* Loew (Coquillett, 1910:524).
- BLANDUS Parent, 1934a:260, pl. 67, fig. 10. Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina.
- CONFRATERNUS Van Duzee, 1930b:63, pl. 2, fig. 60. Type locality: Chile, Ancud. Distr. — Chile.
- DICHROMATUS (Bigot), 1890:295 (*Peodes*). Type-locality: "Chile". Distr. — Chile.
- EXILIS (Philippi), 1865:778 (*Dolichopus*). Type-locality: Chile, Santiago. Distr. — Chile. N. comb.



- dorsalis* Van Duzee, 1930b:64, pl. 2, figs. 49-50 (*Anepsiomyia*) Type-locality: Chile, Ancud. N. SYN.
- METALLICUS Parent, 1934b:135, fig. 40. Type-locality: Mexico, Guerrero. Distr. — Mexico.
- OBSCURUS Robinson, 1967a:126, fig. 30. Type-locality: Mexico, Oaxaca. Distr. — Mexico.
- SCHILDI Robinson, 1967a:126. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica.

Genus DISCOPYGIELLA Robinson

- DISCOPYGIELLA Robinson, 1965:51. Type-species, *setosa* Robinson (orig. des.). Ref. — Robinson, 1965 (key).
- CHIAPFENSIS Robinson, 1965:53. Type-locality: Mexico, Chiapas, Tuxtla Gutiérrez. Distr. — Mexico, Panama.
- DISCOLOR Robinson, 1965:55. Type-locality: Mexico, Hidalgo, Chapulhuacán. Distr. — Mexico (Hidalgo, Guerrero, Oaxaca, Chiapas), Panama.
- SETOSA Robinson, 1965:52, fig. 1. Type-locality: Mexico, San Luis Potosi, Tamazunchale. Distr. — Mexico (San Luis Potosi, Oaxaca, Chiapas).
- XEROPHILA Robinson, 1965:54. Type-locality: Mexico, Oaxaca. Distr. — Mexico (Oaxaca, Chiapas).

Genus MICROMORPHUS Mik

- MICROMORPHUS Mik, 1878: ? 4. Type-species, *Hydrophorus albipes* Zetterstedt (orig. des.). Ref. — Robinson, 1967e (key).
- ALBIPES Zetterstedt, 1843:454 (*Hydrophorus*). Type-locality: "Sweden". Distr. — Europe, U.S.A., Mexico, Costa Rica, Panama, West Indies, ? New Zealand.
- panamensis* Van Duzee, 1931b:180. Type-locality: Panama, Corozal.
- ASYMMETRICUS Robinson, 1967e:332, fig. 5. Type-locality: Mexico, San Luis Potosi, Tamazunchale. Distr. — Mexico.
- CAUDATUS (Aldrich), 1902:93 (*Achalcus*). Type-locality: Grenada I. Distr. — Grenada I.
- FULVOSETOSUS Parent, 1929b:193, figs. 34-36. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico.
- LITHOPHILUS Robinson, 1967e:333, fig. 4. Type-locality: Mexico, San Luis Potosi, Tamazunchale. Distr. — Mexico.
- PLEBEIUS Parent, 1930a:21, fig. 24. Type-locality: Brazil, Pará, Santarém, Faz. Taperinha. Distr. — Brazil. Described from female.

The following species is described with wings, antennae, and genitalia unlike other species of *Micromorphus*. If the described features can be confirmed, the species should probably be placed in a new genus.

- MICIDUS Parent, 1937:130, figs. 40-42. Type-locality: Costa Rica. Distr. — Costa Rica.

Genus NANOMYINA Robinson

NANOMYINA Robinson, 1964a:119. Type-species, *Itorea* Robinson (mon.)
= *barbata* (Aldrich).

The genus seems to be maritime in its distribution.

BARBATA (Aldrich), 1902:91 (*Chrysotimus*). Type-locality: Grenada I.
Distr. — U.S.A. (E. coast), Grenada I., Panama. N. comb.

Itorea Robinson, 1964a:120. Type-locality: U.S.A., North Carolina.
N. SYN.

Genus PELOROEODES Wheeler

PELOROEODES Wheeler, 1890:373. Type-species, *salax* Wheeler (mon.).

Anomalopyga Oldenberg, 1916:187. Type-species, *acuticornis* Oldenberg (mon.). N. SYN.

Kophosoma Van Duzee, 1926a:39. Type-species, *Sympycnus falco*
Aldrich (orig. des.).

Pachypyga Parent, 1928:173. Type-species, *costaericae* Parent (mon.).

The genus is more diverse in the American tropics than is evident in the literature. On the basis of limited collecting I know of 17 undescribed species from Mexico.

ALDRICHI Robinson, nom. nov. for *Kophosoma acuticornis* Van Duzee.
Distr. — U.S.A. (Utah to Michigan to District of Columbia s. to Georgia), Mexico.

acuticornis Van Duzee, 1926a:44, figs. 9-12 (*Kophosoma*; preocc. Oldenberg, 1916). Type-locality: U.S.A., Indiana.

CORNUTA (Van Duzee), 1926a:42, figs. 6-8 (*Kophosoma*). Type-locality: U.S.A., California. Distr. — U.S.A. (California, Oregon, Idaho, Michigan), Mexico.

COSTAERICA (Parent), 1928:174, figs. 33-35 (*Pachypyga*). Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.

COXALIS (Aldrich), 1901:344, pl. 6, fig. 21 (*Sympycnus*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico.

EXIGUUS (Van Duzee), 1933d:8, fig. 18 (*Kophosoma*). Type-locality: Guatemala, Guatalón, Moca. Distr. — Guatemala.

FALCO (Aldrich), 1896:336 (*Sympycnus*). Type-locality: St. Vincent I. Distr. — Lesser Antilles.

FRATER (Aldrich), 1902:83 (*Sympycnus*). Type-locality: Grenada I., Lesser Antilles.

FUSCIPES (Van Duzee), 1926a:40, figs. 1-3 (*Kophosoma*). Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (Idaho, New Mexico), Mexico.

GENITALE (Parent), 1931:3, pl. 1, figs. 1-4 (*Kophosoma*). Type-locality: Bolivia, Sorata. Distr. — Bolivia.

ORNATIPES (Van Duzee), 1930b:62 (*Kophosoma*). Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina.

SIMILIS (Aldrich), 1896:336 (*Sympycnus*). Type-locality: St. Vincent I. Distr. — Lesser Antilles.

Subfamily DIAPHORINAE

Genus ARGYRA Macquart

Porphyrops Meigen, 1824:45. Type-species, *Musca diaphana* Fabricius (Curtis, 1835: pl. 541). See discussion.

ARGYRA Macquart, 1834:456. Type-species, *Musca diaphana* Fabricius (Rondani, 1856:141).

Leucostola Loew, 1857a:39. Type-species, *Argyra vestita* Wiedemann (mon.).

At present the name *Porphyrops* has priority over *Argyra*. However the established use of *Argyra* plus the extensive misuse of *Porphyrops* for various species of *Rhaphium*, make conservation of the name *Argyra* advisable. No application to the I.C.Z.N. has yet been made.

APICALIS Van Duzee, 1930b:30, pl. 1, fig. 3. Type-locality: Chile, Concepción. Distr. — Chile.

Genus ASYNDETUS Loew

ASYNDETUS Loew, 1869:34. Type-species, *ammophilus* Loew (Coquillett, 1910:511).

Anchineura Thomson, 1869:506. Type-species, *tibialis* Thomson (mon.).

The priority of the generic names is not certain. The Thomson work was dated 1868, but the publication is generally recognized as 1869, and the record of receipt in the library of the Kgl. Danske Videnskaberne Selskabs was at the June 18th meeting, a month after the publication of the Loew genus. In any case, it would seem unwise to displace the name *Asyndetus*. Ref. — Van Duzee, 1919b (key).

BREVIMANUS Van Duzee, 1923b:108. Type-locality: Mexico, Sonora. Distr. — Mexico.

CURRANI Van Duzee, 1931b:172. Type-locality: Panama, Bruja Point. Distr. — Panama.

DISJUNCTUS Van Duzee, 1923b:105. Type-locality: Mexico, Puerto Refugio, Angel de la Guardia I. Distr. — Mexico (Gulf of California).

EXIGUUS Van Duzee, 1927b:4. Type-locality: Puerto Rico, Arecibo. Distr. — Puerto Rico.

FLAVITIBIALIS Van Duzee, 1929a:20. Type-locality: Panama, Tabogilla I. Distr. — Panama.

FRATELLUS Aldrich, 1896:332, pl. 12, fig. 114. Type-locality: St. Vincent I. Distr. — Lesser Antilles.

GEMINUS Becker, 1922:206. Type-locality: Paraguay, S. Bernardino. Distr. — Paraguay.

INTERRUPTUS (Loew), 1861b:37 (*Diaphorus*). Type-locality: "Cuba". Distr. — U.S.A. (Florida), West Indies, Ecuador (Galapagos).

LONGIPALPIS Van Duzee, 1919b:250, fig. 4. Type-locality: Guatemala, Puerto Barrios. Distr. — Guatemala.

RIDICULUS Parent, 1931:7, pl. 1, figs. 17-19. Type-locality: Chile, Arica. Distr. — Chile.



- HUMILIS** Parent, 1928:164. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- IMITATOR** Becker, 1922:191, figs. 70-71. Type-locality: Peru, Juni, Sicuani. Distr. — Peru.
- INCISUS** Parent, 1928:163, figs. 19-20. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- LACINIATUS** Becker, 1919:172, pl. 14, fig. 9, pl. 15, fig. 2. Type-locality: "Ecuador". Distr. — Ecuador.
- LAMINATUS** Becker, 1922:193, fig. 72. Type-locality: Peru, Lake Titicaca. Distr. — Peru.
- LATIFACIES** Van Duzee, 1933b:69. Type-locality: Ecuador, Galápagos. Distr. — Ecuador (Galápagos).
- LONGIMANUS** Loew, 1861c:62. Type-locality: U.S.A., Middle States. Distr. — U.S.A., Central America, Ecuador.
- LONGIPALPUS** Aldrich, 1896:329. Type-locality: St. Vincent I. Distr. — St. Vincent I, Grenada I.
- LONGIVENTRIS** Van Duzee, 1931c:23. Type-locality: ? Brazil. Distr. — ? Brazil.
- MAGNIPALPUS** Van Duzee, 1927b:2. Type-locality: Cuba, Havana. Distr. — Cuba.
- METATARSATUS** Becker, 1922:194. Type-locality: Argentina, Prov. Salta. Distr. — Argentina.
- MEXICANUS** Robinson, 1967a:120, figs. 20-21. Type-locality: Mexico, Veracruz. Distr. — Mexico, Lesser Antilles.
- MINOR** Parent, 1931:9. Type-locality: Peru, Ucayali, Unini. Distr. — Peru.
- MINUTICORNIS** Van Duzee, 1927b:3. Type-locality: Puerto Rico, Naguabo. Distr. — Puerto Rico.
- MIRANDUS** Van Duzee, 1927b:3. Type-locality: Cuba, Havana. Distr. — Cuba.
- MIRIPALPUS** Parent, 1928:165, fig. 22. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica, Panama.
- MODESTUS** Parent, 1928:165. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- MORRISONI** Van Duzee, 1924b:37. Type-locality: Virgin Islands. Distr. — Virgin Islands.
- NANUS** Parent, 1928:166. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- NIGER** Aldrich, 1896:327. Type-locality: St. Vincent I. Distr. — Lesser Antilles.
- OBLIQUUS** Loew, 1861c:63. Type-locality: U.S.A., New York. Distr. — Canada (Ontario to Nova Scotia), U.S.A. (w. to Kansas s. to Florida), ? Ecuador, ? Paraguay.
- OVALICORNIS** Parent, 1934b:133. Type-locality: Paraguay, Villarica. Distr. — Paraguay.
- PALLIPES** Loew, 1861c:66. Type-locality: U.S.A., Middle States. Distr. — U.S.A. (Iowa to Connecticut s. to Georgia), West Indies, South America.

- PALPARIS** Becker, 1922:194. Type-locality: Argentina, Prov. Salta. Distr. Argentina.
- PALPATUS** Parent, 1928:164. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- PARADOXUS** Aldrich, 1902:90. Type-locality: Grenada I. Distr. — Grenada I., Bolivia.
- PARVIPALPUS** Van Duzee, 1931c:21. Type-locality: ?Brazil. Distr. — ? Brazil.
- PEREGRINUS** Parent, 1931:9, pl. 1, fig. 23. Type-locality: Bolivia, Mapiri, Lorenzopata. Distr. — Bolivia.
- PICTICORNIS** Loew, 1862:214. Type-locality: U.S.A., Illinois. Distr. — U.S.A. (California to Massachusetts s. to Florida), Mexico (Chiapas). Other tropical records in the literature are likely to represent *C. mexicanus* Robinson.
- PICTIPES** Becker, 1922:195. Type-locality: Bolivia, Prov. Sara; Perú, Molendo. Distr. — Bolivia, Peru.
- PROXIMUS** Aldrich, 1896:326. Type-locality: St. Vincent I. Distr. — Lesser Antilles.
- PYGMAEUS** Parent, 1934a:263. Type-locality: Surinam, Paramaribo. Distr. — Surinam.
- SETOSUS** Van Duzee, 1931c:20. Type-locality: "Brazil". Distr. — Brazil.
- SINGULARIS** Parent, 1931:9, pl. 1, fig. 24. Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.
- SOLEATUS** Becker, 1922:196, fig. 73. Type-locality: Peru, Urubamba, Umahuankiali and Rosalina. Distr. — Peru.
- SPINIPES** Van Duzee, 1924b:19, pl. 1, fig. 39. Type-locality: "Cuba". Distr. — Cuba.
- SUBAPICALIS** Becker, 1922:197, figs. 74-75. Type-locality: Bolivia, Mapiri, Lorenzopata. Distr. — Bolivia.
- TEAPANUS** Aldrich, 1901:347. Type-locality: Mexico, Tabasco, Teapa. Distr. — U.S.A. (Georgia, Florida), Mexico.
- TUMIDIPES** Becker, 1922:198, figs. 76-77. Type-locality: Peru, Tarma. Distr. — Peru.
- UNICOLOR** Becker, 1919:172. Type-locality: Ecuador, Borma and Casitagua. Distr. — Ecuador.
- VELOX** Parent, 1931:9. Type-locality: Bolivia, Mapiri, Lorenzopata. Distr. — Bolivia.
- VIRIDIS** Becker, 1922:200. Type-locality: Peru: Tarma, Urubamba, Lake Titicaca; Bolivia, Sorata. Distr. — Peru, Bolivia.
- VIVIDUS** Loew, 1864:178. Type-locality: U.S.A., Illinois. Distr. — U.S.A. (New York to Kansas s. to Florida), Mexico.

Subgenus ACHRADOCERA Becker

- ACHRADOCERA** Becker, 1922:207 (as genus). Type-species, *femoralis* Becker (pres. des.). Ref. — Parent, 1933a (key).
- ANGUSTIFACIES** (Becker), 1922:207, fig. 78 (*Achradocera*). Type-locality: Chile, Quillota. Distr. — Chile.

- APICALIS** Aldrich, 1896:330. Type-locality: St. Vincent I. Distr. — West Indies. The species is distinct from *C. barbatus* (Loew).
- BARBATUS** (Loew), 1861a:48 (*Synarthrus*). Type-locality: U.S.A., Middle States. Distr. — U.S.A. (Wisconsin and Iowa to Rhode Island s. to Florida), Puerto Rico, Mexico, Ecuador.
- validus* Loew, 1861c:63. Type-locality: U.S.A., Middle States.
- americanus* Wheeler, 1896:154 (*Xiphandrium*). Type-locality: U.S.A., Wisconsin; Illinois; Indiana.
- CHILENSIS** Van Duzee, 1930b:29, pl. 1, figs. 1-2. Type-locality: Chile, Concepción. Distr. — Chile, Argentina.
- femoratus* Bigot, 1890:295 (nec Zetterstedt, 1843). Type-locality: "Chile".
- CONTRACTUS** Van Duzee, 1929a:21, fig. 54. Type-locality: Guatemala, Obispo, La Providencia. Distr. — Guatemala.
- EXCAVATUS** Van Duzee, 1924b:48, pl. 1, figs. 45-46. Type-locality: Virgin Islands. Distr. — Virgin Islands.
- MEMORIALIS** (Becker), 1922:208 (*Achradocera*). Type-locality: Paraguay, S. Bernardino; Trinidad, Port of Spain; Colombia, Baranquilla. Distr. — Colombia, Trinidad, Paraguay.
- INSIGNIS** (Parent), 1933a:247, figs. 4-5 (*Achradocera*). Type-locality: Argentina, Tapikiolé and Trinidad. Distr. — Argentina.
- LONGISETA** (Parent), 1933a:246 (*Achradocera*). Type-locality: Bolivia, Samuhuate; Argentina, San José. Distr. — Bolivia, Argentina.
- MERIDIONALIS** (Becker), 1922:208, fig. 79 (*Achradocera*). Type-locality: "Costa Rica". Distr. — Costa Rica.
- SHANNONI** Van Duzee, 1930b:77, pl. 3, figs. 10-11. Type-locality: Peru, Lima, San Bertolomé. Distr. — Peru.
- TUBERCULATUS** Van Duzee, 1931c:22, figs. 22-24. Type-locality: Bolivia, Santa Cruz Piedra Blanca. Distr. — Bolivia.

Genus DIAPHORUS Meigen

- DIAPHORUS** Meigen, 1824:32. Type-species, *flavocinctus* Meigen (Westwood, 1840:134) = *oculatus* (Fallén).
- Ref. — Van Duzee, 1915a (revision).

Subgenus DIAPHORUS Meigen

- ABRUPTUS** Van Duzee, 1931d: 3, fig. 3. Type-locality: Honduras, La Ceiba. Distr. — Honduras.
- ALACER** Parent, 1934a:263, pl. 68, fig. 13. Type-locality: Guyana, Essequibo R., Moraballi Creek. Distr. — Guyana.
- ALBICILIATUS** Van Duzee, 1915a:177. Type-locality: Guatemala, Gualán. Distr. — Guatemala.
- AMAZONICUS** Parent, 1930a:19, fig. 21. Type-locality: Brazil, Amazon. Distr. — Brazil.
- AMICUS** Parent, 1931:10, pl. 2, fig. 30. Type-locality: Bolivia, Mapiri, S. Ernesto. Distr. — Bolivia, Guyana.

- AMOENUS Aldrich, 1902:86. Type-locality: Grenada I. Distr. — Lesser Antilles.
- ANTENNATUS Van Duzee, 1915a:169. Type-locality: Mexico, Veracruz and Córdoba. Distr. — Mexico.
- ARGENTIPALPIS Van Duzee, 1923b:109. Type-locality: Mexico, Loreto. Distr. — Mexico (Lower California).
- BREVIMANUS Van Duzee, 1931b:171. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- CHAMAELEON Becker, 1922:165. Type-locality: Bolivia, Prov. Sara; Argentina.
- CHRYBOTUS Parent, 1928:185, figs. 58-59. Type-locality: Peru, Callao. Distr. — Peru.
- CILIATUS Becker, 1922:165. Type-locality: Peru, Meshagua, Urubamba. Distr. — Peru.
- CONTIGUUS Aldrich, 1896:323. Type-locality: St. Vincent I. Distr. — Lesser Antilles.
- COSTARICENSIS Parent, 1934b:134. Type-locality: Costa Rica, Farm Hamburg. Distr. — Costa Rica.
- DESPECTUS Parent, 1939:145, fig. 6. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- DIMIDIATUS Aldrich, 1896:322. Type-locality: St. Vincent I. Distr. — Lesser Antilles, Mexico.
- DISTINGUENDUS Parent, 1928:184, fig. 57. Type-locality: Peru, Callao. Distr. — Peru.
- DIVERGENS Parent, 1939:145, fig. 7. Type-locality: Costa Rica, Farm Hamburg. Distr. — Costa Rica.
- DUBIUS Aldrich, 1896:324. Type-locality: St. Vincent I. Distr. — Lesser Antilles, South America.
- DYERI Van Duzee, 1931d:4. Type-locality: Honduras, La Ceiba. Distr. — Honduras.
- EDWARDSI Van Duzee, 1930b:80. Type-locality: Argentina, Mendoza, Potrerillos. Distr. — Argentina.
- FEMORATUS Walker, 1852:206. Type-locality: "Brazil". Distr. — Brazil.
- FLAVIPES Aldrich, 1896:323. Type-locality: St. Vincent I. Distr. — Lesser Antilles, South America.
- HAMATUS Parent, 1931:11, pl. 2, fig. 31. Type-locality: Peru, mouth of R. Pachitea. Distr. — Peru.
- INGLORIUS Parent, 1933a:243, fig. 1. Type-locality: Argentina, San José. Distr. — Argentina.
- INSULANUS Van Duzee, 1930c:86. Type-locality: St. Vincent I. Distr. — Lesser Antilles.
- LEUCOSTOMA Loew, 1861a:58. Type-locality: U.S.A., Maryland. Distr. — Canada, U.S.A. (w. to South Dakota and Louisiana), Guatemala.
- LONGINERVIS Van Duzee, 1931d:6. Type-locality: Honduras, La Ceiba. Distr. — Honduras.
- LUTEIPALPUS Parent, 1929b:190, fig. 30. Type-locality: "Surinam". Distr. — Surinam.



- MACULIPENNIS** Robinson, nom. nov. for *maculatus* Parent. Type-locality: Brazil, Pará, Santarém. Distr. — Brazil, Surinam.
maculatus Parent, 1934a:264, pl. 68, fig. 14 (preocc. Parent, 1930). Type-locality: Brazil, Pará, Santarém.
- MAGNIPALPIS** Van Duzee, 1930b:81. Type-locality: Argentina, Rio Negro, Viedma. Distr. — Argentina.
- MEDIOTINCTUS** Becker, 1922:168, fig. 63. Type-locality: Peru, Meshagua, Urubamba. Distr. — Peru.
- MUNDUS** Loew, 1861a:57. Type-locality: U.S.A., Pennsylvania Distr. — Canada (Quebec), U.S.A. (eastern), West Indies, Surinam, Bolivia.
- NEOTROPICUS** Parent, 1928:168. Type-locality: Costa Rica, La Caja, and San José. Distr. — Costa Rica, El Salvador.
- NIGRESCENS** Aldrich, 1901:346. Type-locality: Mexico, Guerrero. Distr. — Mexico.
- NIGRICANS** Meigen, 1824:33. Type-locality: "Germany". Distr. — Europe, U.S.A. (Maine to Utah s. to Florida and Tennessee), Mexico Central America, Brazil, Argentina.
- opacus* Loew, 1861a:56. Type-locality: U.S.A. New York.
- NIGRIHALTERALIS** Van Duzee, 1931b:171. Type-locality: Panama, France Field, and Barro Colorado I.
- NIGRIPENNIS** Van Duzee, 1932c:12. Type-locality: Peru, Puerto Bermúdez, Rio Pichis. Distr. — Peru.
- OBLONGUS** Parent, 1928:169. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- PARVULUS** Aldrich, 1896:321. Type-locality: St. Vincent I. Distr. — Lesser Antilles, Puerto Rico.
- longipes* Van Duzee, 1927b:1 (*Chrysotus*). Type-locality: Puerto Rico.
- PAUPERCULUS** Parent, 1935:94. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- PROPINQUUS** Becker, 1922:171. Type-locality: Peru, Meshagua, Urubamba. Distr. — Peru.
- PRUINOSUS** Parent, 1930a:21, fig. 23. Type-locality: Brazil, Pernambuco, Recife. Distr. — Brazil.
- SECUNDUS** Becker, 1922:172. Type-locality: Peru, Callanga; Brazil. Distr. — Peru, Brazil.
- SODALIS** Loew, 1861a:58. Type-locality: U.S.A., New York. Distr. — U.S.A. (Iowa to New Hampshire s. to Georgia), Costa Rica, Ecuador.
- SPECTABILIS** Loew, 1861a:57. Type-locality: U.S.A., District of Columbia. Distr. — U.S.A. (eastern), Mexico, Honduras, Costa Rica, Panama, West Indies, Peru, Bolivia, Paraguay, Argentina.
- erunguis* Thomson, 1869:506. Type-locality: Argentina, Buenos Aires.
- approximatus* Aldrich, 1896:321. Type-locality: St. Vincent I.
- SUBSEJUNCTUS** Loew, 1866a:179. Type-locality: "Cuba". Distr. — Cuba, Mexico, Costa Rica.
- deceptivus* Aldrich, 1901:346. Type-locality: Mexico, Guerrero, and Veracruz.

- SUPERBIENS Parent, 1931:11. Type-locality: Peru, mouth of R. Pachitea. Distr. — Peru.
- TRIVITTATUS Van Duzee, 1915a:187. Type-locality: U.S.A., Florida. Distr. — U.S.A. (Florida), Mexico, West Indies
- VARIPES Van Duzee, 1929a:19. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- VENTRALIS Van Duzee, 1915a:170. Type-locality: Belize. Distr. — Belize.
- VICINUS Becker, 1922:174, figs. 65-66. Type-locality: Peru, Rosalina, Urubamba; Bolivia, Prov. Sara. Distr. — Peru, Bolivia.
- VIDUUS Parent, 1930a:20, fig. 22. Type-locality: Brazil, Amazon. Distr. — Brazil.

Subgenus LYRONEURUS Loew

LYRONEURUS Loew, 1857b:38 (as genus). Type-species, *coerulescens* Loew (pres. des.).

I agree with Aldrich (1901, 1902) that *Lyroneurus* is not worthy of generic status. The characteristic curvature of the fourth wing vein in the males cannot be too significant when the close relationship of such species as *Diaphorus spectabilis* Loew is considered. Efforts to redefine the group to include the latter species and others that lack large bristles on the surface of the hypopygium, will encounter species that are intermediate between *D. spectabilis* and species with large hypopygial bristles. Ref. — Parent, 1930b (key).

- ADUSTUS (Wiedemann), 1830:231 (*Dolichopus*). Type-locality: Uruguay, Montevideo. Distr. — Brazil, Uruguay, Paraguay, Argentina.
- ANNULATUS (Macquart), 1842:171, pl. 22, figs. 6-6a (*Chrysotus*). Type-locality: "Brazil". Distr. — Mexico, Lesser Antilles, Brazil. N. comb.
- APICALIS (Becker), 1922:182 (*Lyroneurus*). Type-locality: Argentina, Formosa and Chaco; Paraguay, San Bernardino. Distr. — Argentina, Paraguay.
- CHALYBEUS (Röder), 1892:81 (*Lyroneurus*). Type-locality: "Ecuador". Distr. — Ecuador.
- COERULESCENS (Loew), 1857b:39, pl. 1, figs. 9-10 (*Lyroneurus*). Type-locality: "Mexico". Distr. — Mexico, Surinam, Ecuador, Argentina.
- CURVISPINA Van Duzee, 1929a:17. Type-locality: Guatemala, La Providencia, Obispo; Panama, Barro Colorado I., Taboga I., and Fort Sherman.
- FRATELLUS (Becker), 1922:183 (*Lyroneurus*). Type-locality: Colombia, Sierra San Lorenzo; Argentina, Lules. Distr. — Colombia, Argentina. N. comb.
- LAETUS (Becker), 1922:183 (*Lyroneurus*). Type-locality: "Paraguay". Distr. — Paraguay. N. comb.
- LUTEOVIRIDIS (Parent), 1935:95 (*Lyroneurus*). Type-locality: Colombia, Rio Yurumangui. Distr. — Colombia. N. comb.
- MACULATUS (Parent), 1930b:107, fig. 33 (*Lyroneurus*). Type-locality: Argentina, Chaco de Santiago del Estero. Distr. — Argentina.



- MARGINALIS (Becker), 1922:184 (*Lyroneurus*). Type-locality: Bolivia; Peru, Tarma. Distr. — Peru, Bolivia. N. comb.
- OCCULTUS (Becker), 1922:185 (*Lyroneurus*). Type-locality: Colombia, Sierra San Lorenzo. Distr. — Columbia. N. comb.
- PERPLEXUS Van Duzee, 1929a:18. Type-locality: Panama, Fort Sherman. Distr. — Panama. N. comb.
- PRAESTANS (Parent), 1931:11, pl. 1, fig. 32 (*Lyroneurus*). Type-locality: Peru, Paso de Lares. Distr. — Peru. N. comb.
- SIMPLEX (Aldrich), 1896:333, pl. 12, fig. 117 (*Lyroneurus*). Type-locality: St. Vincent I. Distr. — Lesser Antilles, Mexico, Costa Rica, Peru, Brazil.
- var. BISPINOSUS Becker, 1922:186. Type-locality: "Brazil".
- SUAVIS (Loew), 1857b:40, pl. 1, figs. 11-12 (*Lyroneurus*). Type-locality: "Surinam". Distr. — Costa Rica, Panama, Guyana, Surinam, Bolivia, Argentina. N. comb.
- WILLISTONI Van Duzee, 1931c:14, fig. 20. Type-locality: ? Brazil. Distr. — ? Brazil.

Genus IONTHADOPHRYS Van Duzee

- IONTHADOPHRYS Van Duzee, 1930b:20. Type-species, *longihirtus* Van Duzee (mon.).

The genus was originally compared with *Syntormon*, but there seem to be more characters in common with the Diaphorinae and especially the genus *Symbolia*.

- LONGIHIRTUS Van Duzee, 1930b:21, fig. 2, pl. 1, figs. 11-13. Type-locality: Chile: Ancud, Castro, and Puerto Montt. Distr. — Chile.

Genus KEIROSOMA Van Duzee

- KEIROSOMA Van Duzee, 1929a:24. Type-species, *albicinctum* Van Duzee (mon.).

Ref. — Robinson, 1964a (key).

- ALBICINCTUM Van Duzee, 1929a:24. Type-locality: Panama, Barro Colorado I. Distr. — Panama, Costa Rica, Puerto Rico. Specimens cited from Florida are not conspecific.

Genus PSEUDARGYRA Van Duzee

- PSEUDARGYRA Van Duzee, 1930b:31. Type-species, *cornuta* Van Duzee (orig. des.).

Descriptions indicate that the genus should include two species originally placed in other genera by Van Duzee (1930b).

- CORNUTA Van Duzee, 1930b:31, pl. 1, figs. 6-7. Type-locality: Chile, Ancud. Distr. — Chile.

- FUSCIPENNIS Van Duzee, 1930b:32, pl. 1, figs. 4-5. Type-locality: Chile, Ancud. Distr. — Chile.

- MAGNICORNIS (Van Duzee), 1930b:58, pl. 1, figs. 24-26 (*Sympycnus*). Type-locality: Chile, Ancud. Distr. — Chile. N. comb.

- TARSALE (Van Duzee), 1930b:34, pl. 1, fig. 42, pl. 2, figs. 43-48 (*Stolidosoma*). Type-locality: Chile, Peulla. Distr. — Chile. N. comb.

Genus SYMBOLIA Becker

- SYMBOLIA Becker, 1922:210. Type-species, *ochracea* Becker (mon.).
Cyrtosymbolia Parent, 1931:10. Type-species, *sinuosa* Parent (mon.).
 Ref. — Robinson, 1966a (revision).
- ALDRICHI Robinson, 1966a:494, figs. 18-21. Type-locality: Mexico, Oaxaca, Sierra Juárez. Distr. — Mexico.
- COSTARICENSIS Robinson, 1966a:493, fig. 9. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica.
- HIRTICAUDA Robinson, 1966a:495, fig. 25. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica.
- LATIFACIES Robinson, 1966a:495, figs. 22-24. Type-locality: Peru, Iquitos. Distr. — Peru.
- LINEARIS (Aldrich), 1896:317 (*Anepsius*) Type-locality: St. Vincent I. Distr. — Lesser Antilles.
thoracicus Van Duzee, 1930d:51, fig. 6 (*Sympycnus*). Type-locality: St. Vincent I. N. SYN.
- LOEWI (Aldrich), 1901:349 (*Eutarsus*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico.
- LONGIHIRTA (Van Duzee), 1930b:82, pl. 3, figs. 21-22 (*Sympycnus*). Type-locality: Peru, Lima, Matucana and Colonia Perené.
- LUGUBRIS Parent, 1934a:266, pl. 68, figs. 15-17. Type-locality: Colombia, Gorgona I. Distr. — Colombia.
- MACULATA Robinson, 1966a:492, figs. 1-3. Type-locality: Peru, Iquitos. Distr. — Peru.
- MEXICANA Robinson, 1966a:494, figs. 10-12. Type-locality: Mexico, San Luis Potosi, Tamazunchale; Hidalgo, Chapulhuacán. Distr. — Mexico (San Luis Potosi, Hidalgo).
- NIGRIPENNIS (Van Duzee), 1931b:172, pl. 1, fig. 8, not fig. 7 (*Eutarsus*). Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- OCHRACEA Becker, 1922:211, figs. 80-82. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- SCHILDI Robinson, 1966a:492, figs. 4-8. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica.
- SETIFER Robinson, 1966a:493, figs. 13-17. Type-locality: Mexico, Oaxaca, Valle Nacional. Distr. — Mexico (Oaxaca).
- SINUATA (Aldrich), 1896:334, pl. 11, fig. 104, pl. 12, figs. 110-115 (*Eutarsus*). Type-locality: St. Vincent I. Distr. — St. Vincent I., Grenada I.
- SINUOSA (Parent), 1931:10, pl. 1, figs. 25-27, pl. 2, figs. 28-29 (*Cyrtosymbolia*). Type-locality: Peru, Meshagua, Urubamba, Pinipini.

Subfamily RHAPHIINAE

Genus RHAPHIUM Meigen

- RHAPHIUM Meigen, 1803:272. Type-species, *macrocerum* Meigen (Curtis, 1835: pl. 568).
- Xiphandrium* Loew, 1857a:36. Type-species, *Rhaphium quadrifilatum* Loew (as *quadrifilum*; Coquillett, 1910:621).



Porphyrops, authors, not Meigen.

NUBILUM Van Duzee, 1930b:17, pl. 1, figs. 8-9. Type-locality: Chile, Casa Pangue and Puerto Montt. Distr. — Chile.

PAULSENI Philippi, 1865:774. Type-locality: Chile, Santiago. Distr. — Chile.

Subfamily PLAGIONEURINAE

Genus PLAGIONEURUS Loew

PLAGIONEURUS Loew, 1857b:43. Type-species, *univittatus* Loew (mon.).

UNIVITTATUS Loew, 1857b:43, pl. 1, figs. 16-17. Type-locality: "Cuba". Distr. — U.S.A. (South Dakota and Massachusetts s. to Florida), Mexico, West Indies, Guyana, Surinam, Bolivia, Brazil, Uruguay.

Subfamily STOLIDOSOMINAE

Genus PSEUDOSYMPYCNUM Robinson

PSEUDOSYMPYCNUM Robinson, 1967c:901. Type-species, *Sympycnum palpi-ger* Van Duzee (orig. des.).

Ref. — Robinson, 1967c (key).

ALBIPALPUS (Parent), 1930a:22, figs. 25-27 (*Sympycnum*). Type-locality: Brazil, Amazon. Distr. — Brazil.

BICOLOR Robinson, 1967c:902, figs. 10-11. Type-locality: Mexico, Oaxaca, Rio Valle Nacional; Chiapas, Puerto Vientes. Distr. — Mexico.

LATIPES (Parent), 1930a:23, figs. 28-30 (*Sympycnum*). Type-locality: Brazil, Amazon. Distr. — Brazil.

PALPIGER (Van Duzee), 1931b:177, pl. 1, figs. 14-15 (*Sympycnum*). Type-locality: Panama, Barro Colorado I. Distr. — Panama.

PERORNATUS Robinson, 1967c:902, figs. 7-9. Type-locality: Dominica I. Distr. — Dominica I.

SINGULARIS (Parent), 1934a:259, pl. 67, figs. 6-9 (*Sympycnum*). Type-locality: Colombia, Gorgona I. Distr. — Colombia. N. COMB.

Genus SYMPYCNIDELPHUS Robinson

SYMPYCNIDELPHUS Robinson, 1964a:149. Type-species, *sharpi* Robinson (orig. des.).

Ref. — Robinson, 1967c (key).

COXALIS Robinson, 1967c:901, fig. 6. Type-locality: Mexico, San Luis Potosi, Tamazunchale. Distr. — Mexico.

TIBIALIS Robinson, 1967c:900, figs. 4-5. Type-locality: Mexico, San Luis Potosi, Tamazunchale. Distr. — Mexico (San Luis Potosi, Oaxaca).

Genus STOLIDOSOMA Becker

STOLIDOSOMA Becker, 1922:213. Type-species, *permutans* Becker (Robinson, 1967c:893).

Ref. — Robinson, 1967c (key).

ABBREVIATUM Parent, 1928:170, figs. 23-26. Type-locality: Costa Rica, La Caja. Distr. — Mexico, Costa Rica.

ABDOMINALE Robinson, 1967c:897, fig. 1. Type-locality: Costa Rica, Turrialba. Distr. — Mexico, Costa Rica.

- ACUTUM** Robinson, 1967c:898. Type-locality: Costa Rica, Higuito, San Mateo. Distr. — Costa Rica.
- BICOLOR** Parent, 1934a:276, pl. 71, figs. 39-40. Type-locality: Guyana, Esse-
quibo R., Moraballi Creek. Distr. — Guyana.
- CURRANI** (Van Duzee), 1931b:175, pl. 1, figs. 12-13 (*Sympycnus*). Type-
-locality: Panama, Barro Colorado I. Distr. — Panama, Costa
Rica.
- CYANEUM** Becker, 1922:215, figs. 85-87. Type-locality: Bolivia, Mapiri,
Sarampiuni. Distr. — Bolivia.
- EQUES** (Loew), 1864:154 (*Eutarsus*). Type-locality: "Venezuela". Distr.
— Venezuela.
- FLAVICAUDA** (Van Duzee), 1931b:176 (*Sympycnus*). Type-locality: Panama,
Barro Colorado I. Distr. — Panama, ? Brazil.
- FLAVIDUM** Robinson, 1967c:895. Type-locality: Mexico, Guerrero, Tierra
Colorada. Distr. — Mexico.
- HEXACHAETA** Robinson, 1967c:898, figs. 2-3. Type-locality: Dominica I.
Distr. — Dominica I.
- INORNATUM** Robinson, 1967c:898. Type-locality: Costa Rica, Pedregosa.
Distr. — Costa Rica.
- LUCIDUM** Becker, 1922:214, figs. 83-84. Type-locality: Peru, Pichís, Puer-
to Bermúdez. Distr. — Peru.
- MICROGAMUM** (Parent), 1928:172, figs. 30-32 (*Sympycnus*). Type-locality:
Costa Rica, San José. Distr. — Costa Rica.
- OBSCURUM** Parent, 1931:20, pl. 3, figs. 76-77. Type-locality: Peru, mouth
of R. Pachitea. Distr. — Peru. As described, the species would
have to be a very aberrant *Stolidosoma* or a member of some
other genus.
- PERMUTANS** Becker, 1922:217, figs. 88-89. Type-locality: Colombia, Sier-
ra San Lorenzo. Distr. — Mexico, Panama, Colombia, Guyana.
- UNISPINA** (Van Duzee), 1931b:175, pl. 1, fig. 11 (*Sympycnus*). Type-loc-
-ality: Panama, Barro Colorado I. Distr. — Panama.
- VARIPE** Robinson, 1967c:896. Type-locality: Mexico, Oaxaca, Rio Valle
Nacional. Distr. — Mexico.
- VIOLACEUM** (Van Duzee), 1929a:23 (*Argyra*). Type-locality: Guatemala,
La Providencia, Obispo. Distr. — Mexico, Guatemala.

Subfamily SYMPYCNINAE

(Campsicneminae)

Genus CALYXOCHETUS Bigot

- CALYXOCHAETUS** Bigot, 1888b:xxiv. Type-species, *Sympycnus nodatus* Loew
(as *notatus*; orig. des.).
- Nothosympycnus* Wheeler, 1899:51. Type-species, *vegetus* Wheeler (Co-
quillelt, 1910:576).
Ref. — Parent, 1930b; Van Duzee, 1930d (keys).
- FURCATUS** (Van Duzee), 1929a:29, figs. 39-40 (*Nothosympycnus*). Type-
-locality: Guatemala, Antigua, El Salto. Distr. — Mexico, Gua-
temala.



- HASTATUS (Van Duzee), 1930d:57, pl. 2, figs. 74-75 (*Sympycnus*). Type-locality: U.S.A., California, San Diego. Distr. — U.S.A. (California), Mexico.
- LAMELLICORNIS Parent, 1930b:105, figs. 26-29. Type-locality: Mexico, Jalisco, Guadalajara. Distr. — Mexico.
- LOEWI Parent, 1930b:104, figs. 22-25. Type-locality: "Costa Rica". Distr. — Costa Rica.
- METATARSALIS Robinson, 1966b:272. Type-locality: Mexico, San Luis Potosí, El Salto. Distr. — Mexico.
- ORNATUS Parent, 1930b:106, figs. 30-32. Type-locality: Mexico, Jalisco. Distr. — Mexico.
- PATELIFER Parent, 1934b:136, figs. 41-44. Type-locality: Mexico, Chiapas, San Cristóbal. Distr. — Mexico.
- UNIPILUS (Van Duzee), 1929a:29, pl. 2, fig. 41 (*Nothosympycnus*). Type-locality: Guatemala, Antigua, El Salto. Distr. — Guatemala.

Genus FILATOPUS Miller

- Nematopus* Parent, 1933d:74 (preocc. Berthold, 1827; Agassiz, 1846; Sars, 1863). Type-species, *ciliatus* Parent (pres. des.).
- FILATOPUS Miller, 1945:72. Type-species, *Nematopus ciliatus* Parent (aut.).
- The genus is interpreted to include the following South American species on the basis of remarks by F. W. Edwards in Van Duzee (1930:57).
- NIGRIPALPIS (Van Duzee), 1930b:56 (*Sympycnus*). Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina. N. comb.

Genus HYPTIOCHETA Becker

- HYPTIOCHETA Becker, 1922:245. Type-species, *convexa* Becker (mon.).
- CONVEXA Becker, 1922:246, figs. 105-106. Type-locality: Peru, Urubamba. Distr. — Peru.

Genus NEOPARENTIA Robinson

- NEOPARENTIA Robinson, 1967d:252. Type-species, *bisetosa* Robinson (orig. des.).
- Ref. — Robinson, 1967d (key).
- BICOLOR (Parent), 1954:223, figs. 3-5 (*Nematoproctus*). Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- BISETOSA Robinson, 1967d:253, figs. 1-2. Type-locality: Mexico, Chiapas, Pueblo Nuevo. Distr. — Mexico (Chiapas, Oaxaca).
- DEFORMIS Robinson, 1967d:256, figs. 4-5. Type-locality: Mexico, Oaxaca, Sierra Juárez. Distr. — Mexico (Oaxaca, Chiapas).
- OBSCURA Robinson, 1967d:257, fig. 6. Type-locality: Mexico, Oaxaca, Rio Valle Nacional. Distr. — Mexico (Oaxaca, Chiapas).
- SCHILDI Robinson, 1967d:258, fig. 11. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica.
- TARSALIS Robinson, 1967d:257, figs. 7-10. Type-locality: Mexico, Oaxaca, Rio Valle Nacional. Distr. — Mexico (Oaxaca, Chiapas).

Genus PARASYNTORMON Wheeler

- PARASYNTORMON Wheeler, 1899:41. Type-species, *asellus* Wheeler (Coquillett, 1910:585).
- Neosyntormon* Curran, 1934:230. Type-species, *Parasyntormon montivagum* Wheeler (orig. des.).
- INORNATUS Becker, 1919:178, pl. 15, fig. 1. Type-locality: Ecuador, Mirador. Distr. — Ecuador.
- WHEELERI Aldrich, 1901:343, pl. 6, fig. 19. Type-locality: Mexico, Mexico City. Distr. — Mexico.

Genus PINACOCERUS Van Duzee

- PINACOCERUS Van Duzee, 1930b:11. Type-species, *nodicornis* Van Duzee (mon.).

The genus was originally placed in the Dolichopodinae because of the *Paraclius*-like wing venation. The structure of the genitalia indicates closer relationship to *Sympycnus*.

- NODICORNIS Van Duzee, 1930b:13, fig. 1, pl. 2, figs. 67-69. Type-locality: Argentina, Rio Negro, Lake Nahuel Huapi. Distr. — Argentina.

Genus SYMPYCNUM Loew

- SYMPYCNUM Loew, 1857a:42. Type-species, *Porphyrops annulipes* Meigen (Coquillett, 1910:610).

- Gymnoceromyia* Bigot, 1890:293. Type-species, *andicola* Bigot (mon.).

The genus *Sympycnus* is the predominant element of the family in southern South America. Ref. — Van Duzee, 1930b, 1930d; Parent, 1932a (keys).

Subgenus SYMPYCNUM Loew

- AEQUALIS Becker, 1922:222. Type-locality: Argentina, Prov. Salta. Distr. — Argentina, Chile.
- AEQUATORIALIS Becker, 1919:174, pl. 14, fig. 3. Type-locality: Ecuador, Chillacocha. Distr. — Ecuador.
- ALBIBARBUS Parent, 1932a:46, figs. 8-9. Type-locality: Peru, Juliaca. Distr. — Peru.
- ALBICILLATUS Van Duzee, 1930b:46. Type-locality: Argentina, Rio Negro, Lake Nahuel Huapi. Distr. — Argentina, Chile, Peru.
- ALBICINCTUS Parent, 1932a:49, figs. 17-18. Type-locality: Bolivia, Sorata. Distr. — Bolivia.
- ALBIHIRTUS Van Duzee, 1930b:50, pl. 1, figs. 18-19. Type-locality: Argentina, Maquinchao. Distr. — Argentina.
- ANDICOLA (Bigot), 1890:293 (*Gymnoceromyia*). Type-locality: "Chile". Distr. — Chile, Argentina.
- ANGULINERVIS Parent, 1939:140, fig. 1. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- ANGUSTIPENNIS Aldrich, 1901:349, pl. 6, fig. 20. Type-locality: Mexico, Orizaba. Distr. — Mexico.
- ANNULATUS Parent, 1929b:194, figs. 37-38. Type-locality: "Argentina". Distr. — Argentina.



- ANORMALIS Parent, 1932a:61, fig. 36. Type-locality: Chile, Valparaiso. Distr. — Chile.
- ANTARCTICUS (Walker), 1836:347 (*Medetera*). Type-locality: Chile, Magellan Straits, Port Famine. Distr. — Chile.
- ANTENNATUS Becker, 1922:223, fig. 90. Type-locality: Argentina, Prov. Salta. Distr. — Argentina.
- ANTICUS Becker, 1919:175, pl. 14, fig. 1, pl. 15, fig. 4. Type-locality: Ecuador: Casitagua, El Angel, Mirador, and Cuenca. Distr. — Ecuador.
- APPENDICULATUS Van Duzee, 1930b:87, pl. 3, fig. 17-20. Type-locality: Chile, Los Andes. Distr. — Chile.
- ARGENTIMANUS Parent, 1932a:48, figs. 11-13. Type-locality: Peru, Paso de Lares. Distr. — Peru.
- ARMATUS Becker, 1922:224, figs. 91-92. Type-locality: Peru, Callanga. Distr. — Peru.
- AUDAX Parent, 1932a:52, figs. 21-22. Type-locality: Bolivia, Sorata. Distr. Bolivia.
- BICOLORIPES Van Duzee, 1930b:53, figs. 3-4, pl. 1, figs. 36-37. Type-locality: Argentina, Bariloche. Distr. — Argentina, Chile.
- BIFIDUS Becker, 1919:177, pl. 14, fig. 4. Type-locality: Ecuador: Cuenca, Yausai, Mirador, Casitagua, and Loja. Distr. — Ecuador.
- BIPILUS Van Duzee, 1929a:28, pl. 1, figs. 37-38. Type-locality: Guatemala, Antigua, El Salto. Distr. — Guatemala.
- BREVITALUS Van Duzee, 1930b:42, pl. 1, fig. 14. Type-locality: Chile, Peulla. Distr. — Chile.
- BREVITARSIS Becker, 1922:225, fig. 93. Type-locality: Paraguay, San Bernardino. Distr. — Paraguay.
- BULLOCKI Van Duzee, 1933c:151 (as *bullacki*) (nom. nov. for *imperfectus* Van Duzee). Type-locality: Chile, Angol. Distr. — Chile.
imperfectus Van Duzee, 1929a:25, pl. 1, figs. 30-31 (preocc. Becker, 1918). Type-locality: Chile, Angol.
- CHILENSIS Parent, 1928:186, figs. 60-61. Type-locality: Chile, Limache. Distr. — Chile.
- CILIATUS Becker, 1922:226. Type-locality: Argentina, Prov. Salta. Distr. — Argentina.
- CILIFEMORATUS Parent, 1932a:42, fig. 3. Type-locality: Chile, Valparaiso. Distr. — Chile.
- CILITIBIA Parent, 1932a:50, figs. 17-18. Type-locality: Bolivia, La Paz. Distr. — Bolivia.
- CLAVATUS Van Duzee, 1913a:271. Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (Utah, Colorado, Arizona, New Mexico), Mexico.
- COMATUS Van Duzee, 1931a:249. Type-locality: Uruguay, Montevideo. Distr. — Uruguay, Argentina.
- CRINIPES Becker, 1922:227, fig. 94. Type-locality: Peru, Puno, Lake Titicaca. Distr. — Peru, Bolivia.
- CYLINDRICUS Van Duzee, 1930b:43. Type-locality: Chile, Los Andes. Distr. — Chile, Argentina.
- DAMPEI Van Duzee, 1934a:80, figs. 1-6. Type-locality: Mexico, State of Mexico. Distr. — Mexico.



- DICHAETUS Parent, 1932a:56, figs. 27-29. Type-locality: Peru, Mamara; Chile, Talcahuano. Distr. — Peru, Chile.
- DIFFICILIS Van Duzee, 1930b:45. Type-locality: Chile, Ensenada. Distr. — Chile.
- DISCOLOR (Bigot), 1890:292 (*Xiphandrium*). Type-locality: "Chile". Distr. — Chile.
- DIVERSIPES Van Duzee, 1930b:47, pl. 1, fig. 15. Type-locality: Chile, Ancud. Distr. — Chile, Argentina (Bariloche).
- DOLOSUS Parent, 1934b:137, fig. 45. Type-locality: Paraguay, Villarica. Distr. — Paraguay.
- DOMINULUS Parent, 1932a:58, fig. 32. Type-locality: Peru, Cuzco. Distr. — Peru.
- ELANGELI Becker, 1919:174, pl. 14, fig. 10, pl. 15, fig. 3. Type-locality: Ecuador, El Angel. Distr. — Ecuador, Peru, Bolivia.
- ELEGANS Parent, 1932a:47, fig. 10. Type-locality: Peru, Arequipa. Distr. — Peru.
- ERRANEUS Becker, 1922:229. Type-locality: Argentina, Prov. Salta. Distr. — Argentina.
- FERNANDEZENSIS Harmston, 1955:37. Type-locality: Chile, Juan Fernández. Distr. — Chile.
- FILIFORMIS Van Duzee, 1929a:27, pl. 1, fig. 34, pl. 2, figs. 35-36. Type-locality: Guatemala, Antigua, El Salto. Distr. — Guatemala.
- FIMBRIATUS Parent, 1932a:56, fig. 26. Type-locality: Chile, Coquimbo. Distr. — Chile.
- FLAVICILIATUS Van Duzee, 1931a:250. Type-locality: Argentina, Buenos Aires. Distr. — Argentina.
- FUSCIPENNIS Van Duzee, 1930b:49. Type-locality: Chile, Concepción. Distr. — Chile.
- FUSCIVENTRIS Van Duzee, 1930b:52, pl. 1, figs. 22-23. Type-locality: Argentina, Rio Negro, Lake Gutiérrez. Distr. — Argentina.
- GENICULATUS Parent, 1932a:44, fig. 6. Type-locality: Peru, Arequipa. Distr. — Peru.
- GLOBULITARSIS Becker, 1922:230, fig. 95. Type-locality: Peru, Puno, Titicaca, and Tarma. Distr. — Peru.
- GRACILIS Parent, 1934a:259, pl. 67, fig. 5. Type-locality: Chile, Panguipulli. Distr. — Chile.
- GRANDICORNIS Van Duzee, 1930b:59, pl. 1, figs. 28-31. Type-locality: Chile, Puerto Montt. Distr. — Chile.
- HAMATUS Becker, 1922:231, figs. 96-97. Type-locality: Chile: Corral, and Valparaíso; Peru, Urubamba, Cuzco(?); Bolivia, La Paz; Argentina, Prov. Tucumán. Distr. — Peru, Bolivia, Chile, Argentina.
- INSOLENS Van Duzee, 1930b:44, pl. 1, fig. 27. Type-locality: Argentina, Rio Negro, Lake Nahuel Huapi. Distr. — Argentina.
- INTEGER Becker, 1922:232. Type-locality: Paraguay, San Bernardino. Distr. — Paraguay.
- INTERMEDIUS Becker, 1922:233, fig. 98. Type-locality: Peru: Cuzco, Puno, and Titicaca; Bolivia. Distr. — Peru, Bolivia.
- LIBER Parent, 1932a:59, fig. 33. Type-locality: Bolivia, Mapi. Distr. — Bolivia.



- LOBATUS Van Duzee, 1930b:85, pl. 3, figs. 14-16. Type-locality: Peru, Lima, Verrugas Cañon. Distr. — Peru.
- LONGIPES Van Duzee, 1929a:26, pl. 1, figs. 32-33. Type-locality: Chile, Angol. Distr. — Chile.
- LUCTUOSUS (Bigot), 1888a:23 (*Chrysotus*). Type-locality: Chile, Tierra del Fuego, Orange Bay. Distr. — Chile.
- MAGELLANICUS Robinson, nom. nov. for *calcaratus* Parent. Type-locality: Chile, Punta Arenas. Distr. — Chile.
- calcaratus* Parent, 1932a:43, fig. 5 (preocc. Van Duzee, 1930d). Type-locality: Chile, Punta Arenas.
- MAGNUS Van Duzee, 1930b:84, pl. 3, fig. 13. Type-locality: Peru, Tarma, Chanchamayo. Distr. — Peru.
- MEDIUS Parent, 1932a:51, fig. 19-20. Type-locality: Peru, Juliaca. Distr. — Peru.
- MINUTUS Parent, 1932a:43, fig. 4. Type-locality: "Bolivia". Distr. — Bolivia.
- MIRICORNIS Parent, 1932a:41, figs. 1-2. Type-locality: Chile, Valparaíso. Distr. — Chile.
- MONTICOLUS Becker, 1919:176, pl. 14, fig. 2, pl. 15, fig. 9. Type-locality: Ecuador: Quinua-Loma, La Rinconada, Yausai, El Angel, Rio-bamba, and Cuenca. Distr. — Ecuador.
- NEMORALIS (Philippi), 1865:777 (*Dolichopus*). Type-locality: Chile, Valdivia. Distr. — Chile.
- tenuitarsis* Van Duzee, 1930b:52. Type-locality: Chile, Castro.
- NIGRICILIATUS Becker, 1922:235. Type-locality: Chile, Quillota. Distr. — Chile, Argentina.
- NIGRICOXA Becker, 1922:235. Type-locality: Argentina, Prov. Salta. Distr. — Argentina.
- OBSCURATUS Brèthes, 1919:41, fig. 9. Type-locality: Chile, Rio Blanco. Distr. — Chile.
- PACIFICUS Parent, 1932a:57, figs. 30-31. Type-locality: Peru, Cuzco. Distr. — Peru.
- PALLIDICORNIS Van Duzee, 1930b:57. Type-locality: Chile, Puerto Montt. Distr. — Chile, Peru.
- PALLIDIMANUS Van Duzee, 1933d:8, fig. 17. Type-locality: Brazil, Minas Gerais, Belo Horizonte. Distr. — Brazil.
- PARVULUS Van Duzee, 1930b:42. Type-locality: Argentina, Bariloche. Distr. — Argentina, Chile.
- PATELLATUS Parent, 1928:171, figs. 27-29. Type-locality: Costa Rica, La Caja. Distr. — Mexico, Costa Rica, Panama.
- PATELLITARIS Becker, 1922:236, fig. 99. Type-locality: Peru, Puno, Lake Titicaca, and Cuzco. Distr. — Peru.
- PAUPER Parent, 1932a:45, fig. 7. Type-locality: Peru, Cuzco. Distr. — Peru.
- PENNATUS Van Duzee, 1930b:87, pl. 3, fig. 37. Type-locality: Argentina, Mendoza. Distr. — Argentina.
- PICTICORNIS Van Duzee, 1930b:86. Type-locality: Argentina, Mendoza, Potrerillos. Distr. — Argentina.

- PILITARSIS** Becker, 1922:236, figs. 100-101. Type-locality: Peru, Sicuani. Distr. — Peru, Bolivia.
- PLANIPES** Van Duzee, 1931b:176. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- PLATYCHIRUS** Parent, 1932a:53, fig. 23. Type-locality: Chile, Valparaiso, Coronel. Distr. — Chile.
- PLATYPUS** Becker, 1922:237, fig. 102. Type-locality: Chile, Palca. Distr. — Chile.
- POLLINOSUS** Van Duzee, 1930b:83, pl. 3, fig. 12. Type-locality: Peru, Lima, Verrugas Cañon. Distr. — Peru.
- PROLETARIUS** Parent, 1932a:55. Type-locality: Peru, Paso de Lares. Distr. — Peru.
- PROPINQUUS** Parent, 1932a:60, figs. 34-35. Type-locality: Ecuador, Guayaquil. Distr. — Ecuador.
- SPINIPES** Van Duzee, 1930b:82. Type-locality: Argentina, Bahía Blanca. Distr. — Argentina.
- SPINITARSIS** Van Duzee, 1932c:17, fig. 20. Type-locality: Peru, Matucana. Distr. — Peru.
- SUBDILATATUS** Van Duzee, 1930b:48, pl. 1, figs. 16-17. Type-locality: Chile, Los Andes. Distr. — Chile, Argentina.
- TENUIPES** Becker, 1919:175, pl. 15, fig. 11. Type-locality: Ecuador: Tulcán, El Angel, La Rinconada, Alausi, and Yausai. Distr. — Ecuador.
- TERMINALIS** Van Duzee, 1930b:50, pl. 1, figs. 20-21. Type-locality: Chile, Concepción. Distr. — Chile.
- VARICOLOR** Parent, 1932a:54, figs. 24-25. Type-locality: Peru, Titicaca; Ecuador, Guayaquil. Distr. — Peru, Ecuador.
- VARIPES** Aldrich, 1901:344. Type-locality: Mexico, Guerrero. Distr. — Mexico.

Subgenus SUBSYMPYCNUM Becker

- SUBSYMPYCNUM** Becker, 1922:244 (as genus). Type-species, *griseicollis* Becker (mon.).
- GRISEICOLLIS** Becker, 1922:244, figs. 103-104 (? *Subsympycnum*). Type-locality: Peru, Arequipa. Distr. — Peru.

Genus SYNTORMON Loew

- SYNTORMON** Loew, 1857a:35. Type-species, *Rhaphium metathesis* Loew (Coquillett, 1910:611).
- Synarthrus* Loew, 1857a:35. Type-species, *Musca pallipes* Fabricius (mon.).
- EDWARDSI** Van Duzee, 1930b:19, pl. 1, fig. 10. Type-locality: Chile, Concepción. Distr. — Chile.
- QUADRATUS** Aldrich, 1901:342, pl. 6, figs. 18-18a. Type-locality: Mexico, Mexico City. Distr. — Mexico.
- ROTUNDICORNIS** Van Duzee, 1931c:24, figs. 25-27. Type-locality: "Brazil". Distr. — Brazil.



Genus TELMATURGUS Mik

TELMATURGUS Mik, 1874:349. Type-species, *Sympycnus tumidulus* Raddatz (orig. des.).

COSTARICENSIS Robinson, 1967e:122, figs. 24-25. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica.

Sufamily DOLICHOPODINAE

Genus CHEIROCERUS Parent

CHEIROCERUS Parent, 1930a:13. Type-species, *palmaticornis* Parent (mon.).

PALMATICORNIS Parent, 1930a:13, figs. 10-12. Type-locality: Brazil, Pará, Santarém, Faz. Taperinha. Distr. — Brazil.

PENNATICORNIS Parent, 1931:11, pl. 2, figs. 33-35. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.

Genus DOLICHOPUS Latreille

DOLICHOPUS Latreille, 1796:159. Type-species, *Musca unguata* Linnaeus (Latreille, 1810:443).

Ref. — Van Duzee, Cole, & Aldrich, 1921 (revision); Van Duzee & Curran, 1934a (key, males), 1934b (key, females); Steyskal, 1938, 1942, 1947, 1959 (biology).

BIFRACTUS Loew, 1861a:19. Type-locality: U.S.A., Nebraska. Distr. — Canada (Alberta to Quebec), U.S.A. (New York to Utah), Mexico (Morelos).

MYOSOTUS Osten Sacken, 1887:213. Type-locality: Mexico, Sonora. Distr. — Canada (British Columbia), U.S.A. (e. to Iowa, ? New Jersey), Mexico.

PLUMIPES (Scopoli), 1763:334 (*Musca*). Type-locality: "Yugoslavia". Distr. — Europe, Canada, Alaska, Greenland, U.S.A., Mexico.

Genus GONIONEURUM Becker

GONIONEURUM Becker, 1922:98. Type-species, *varum* Becker (mon.).

VARUM Becker, 1922:99, figs. 37-38. Type-locality: Colombia, Sierra San Lorenzo.

Genus HERCOSTOMUS Loew

HERCOSTOMUS Loew, 1857a:9. Type-species, *Sybistroma longiventris* Loew (orig. des.).

The species placed here should all be examined carefully to determine their true relationships. Descriptions indicate that some if not all might be transferred to other genera.

FLAVIMANUS Van Duzee, 1934b:372. Type-locality: Guyana, Kartabo. Distr. — Guyana.

PANAMENSIS Van Duzee, 1931b:185, pl. 1, fig. 24. Type-locality: Panama, Barro Colorado I. Distr. — Panama.

PETULANS Parent, 1939:146, figs. 8-9. Type-locality: Costa Rica, Hamburg Farm. Distr. — Costa Rica.

- PLUMITARSIS Parent, 1931:12, pl. 2, figs. 36-38. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- PROBLEMATICUS Parent, 1930a:14, figs. 13-14. Type-locality: Brazil, Pará, Belém. Distr. — Brazil.

Genus PARACLIUS Loew

PARACLIUS Loew, 1864:97. Type-species, *Pelastoneurus arcuatus* Loew (Coquillett, 1910:583). See discussion.

Leptocorypha Aldrich, 1896:315. Type-species, *pavo* Aldrich (mon.). N. SYN.

At present, the rules do not permit the use of the name, *Paracilius* Loew, which is technically an emendation of *Paracilius* Bigot. However, the Loew name represents the genus concept as it has been recognized for the last hundred years, and conservation of the emendation, *Paracilius*, with the type species, *arcuatus*, seems advisable. As described, the type species of *Paracilius* Bigot, *Dolichopus heteroneurus*, is clearly a *Pelastoneurus* near to or the same as *P. abbreviatus* of eastern North America. Unless the name *Paracilius* Bigot is suppressed, it will have priority over the name *Pelastoneurus*, while all species now called *Paracilius* or *Paracilius* will need to be placed under *Leptocorypha* or some other name. Ref. — Aldrich, 1904; Van Duzee, 1930b (keys).

ABERRANS Robinson, 1964a:180, pl. 6, fig. 112. Type-locality: U.S.A., Texas. Distr. — U.S.A. (Texas), Mexico (San Luis Potosi).

ACUTICORNIS Van Duzee, 1929a:51, pl. 2, figs. 59-60. Type-locality: "Guatemala". Distr. — Guatemala, Panama.

ALBIMANUS Van Duzee, 1929a:47. Type-locality: Costa Rica, Cachi. Distr. — Guatemala, Costa Rica.

ALBISIGNATUS Parent, 1928:155, figs. 1-4. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica, Guatemala.

terminalis Van Duzee, 1929a:50, pl. 2, fig. 58. Type-locality: Guatemala, Antigua. N. SYN.

AMAZONAE Parent, 1929b:176, figs. 7-8. Type-locality: Brazil, Amazon. Distr. — Brazil.

ANGUSTICAUDA Van Duzee, 1933a:23, figs. 47-48. Type-locality: Guatemala, Guatalón, Moca. Distr. — Guatemala.

ANGUSTIPENNIS Van Duzee, 1929a:42. Type-locality: Guatemala, La Providencia, Obispo. Distr. — Guatemala.

APICALIS Parent, 1954:224. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.

ARCUATUS (Loew), 1861a:39 (*Pelastoneurus*). Type-locality: "Cuba". Distr. — West Indies.

ARGENTATUS Parent, 1934b:128, figs. 31-32. Type-locality: Costa Rica, Farm Hamburg. Distr. — Costa Rica.

BREVICORNIS Van Duzee, 1931b:192. Type-locality: Panama, Barro Colorado I., Corozal, France Field. Distr. — Panama.

BREVIMANUS Van Duzee, 1931a:244, fig. 7. Type-locality: Uruguay, Montevideo. Distr. — Uruguay, Chile.

BREVIVENTRIS Van Duzee, 1931d:8, fig. 5. Type-locality: unknown. Distr. — unknown.

- CLAVICULATUS** Loew, 1868b:45. Type-locality: U.S.A., New York. Distr. — Canada (Ontario to Nova Scotia), U.S.A. (s. to North Carolina), ? Central America, Grenada I.
- COXALIS** Van Duzee, 1933a:20, figs. 40-42. Type-locality: Guatemala, Po-chuta, Santa Emilia. Distr. — Guatemala.
- DIFFICILIS** Becker, 1922:47. Type-locality: Trinidad, Port of Spain; Colombia, Santa Maria. Distr. — Trinidad, Colombia.
- DISCIFER** Aldrich, 1902:80. Type-locality: Grenada I. Distr. — West Indies, Central America.
- DISCOPHORUS** Parent, 1933a:252, fig. 13. Type-locality: Bolivia, Chiquitos, San José. Distr. — Bolivia.
- EDWARDSI** Van Duzee, 1931a:243, figs. 8-10. Type-locality: Argentina, Buenos Aires. Distr. — Argentina.
- ELONGATUS** Van Duzee, 1930a:72. Type-locality: St. Vincent I. Distr. — Lesser Antilles.
- EXIMIUS** Van Duzee, 1931b:189, pl. 2, fig. 33. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- FEMORATUS** Aldrich, 1901:340. Type-locality: Mexico, Veracruz, Teapa, and Frontera. Distr. — Mexico.
- FILIFER** Aldrich, 1896:314, pl. 11, fig. 102. Type-locality: St. Vincent I. Distr. — U.S.A. (Florida), Mexico, West Indies
- FLAGELLATUS** (Harmston), 1952:293 (*Hercostomus*). Type-locality: U.S.A., Alabama (immigrant found in hold of ship from Panama). Distr. — ? Panama.
- FLAVICAUDA** Van Duzee, 1931b:190, pl. 2, figs. 34-35. Type-locality: Panama, France Field. Distr. — Panama.
- FLAVIPES** (Aldrich), 1901:336, pl. 6, fig. 17 (*Hercostomus*). Type-locality: Mexico, Guerrero. Distr. — Mexico.
- HEBES** Van Duzee, 1923b:111. Type-locality: Mexico, Sonora, Tepoca Bay. Distr. — Mexico.
- KEIFERI** Van Duzee, 1927c:146. Type-locality: Mexico, Lower California, Cedros I. Distr. — Mexico.
- KOVASCI** Parent, 1933a:251, figs. 9-12. Type-locality: Bolivia, Villa Montes. Distr. — Bolivia.
- LAEVIS** Becker, 1922:51. Type-locality: Paraguay, San Bernardino; Costa Rica, Surrubres. Distr. — Costa Rica, Paraguay.
- LEUCOPILUS** (Loew), 1857b:41, pl. 1, figs. 14-15 (*Gymnopternus*). Type-locality: "Surinam". Distr. — Surinam, Venezuela.
- LONGICORNIS** Van Duzee, 1931b:191, pl. 2, figs. 36-38. Type-locality: Panama, Barro Colorado I. and France Field. Distr. — Panama.
- MARITIMUS** Van Duzee, 1923:110. Type-locality: Mexico, Lower California, San Evaristo Ranch and Gonzales Bay. Distr. — Mexico.
- MICROPYGUS** Parent, 1931:13, pl. 2, figs. 44-45. Type-locality: Peru, Pichis. Distr. — Peru.
- MIXTUS** Parent, 1934a:269, pl. 69, figs. 24-26. Type-locality: Colombia, Gorgona I. Distr. — Colombia.
- MODESTUS** Parent, 1934a:270, pl. 69, fig. 27, pl. 70, fig. 28. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.

- NIGROTERMINALIS** Van Duzee, 1931d:10, figs. 7-9. Type-locality: ? Brazil. Distr. —? Brazil.
- OBSCURUS** Van Duzee, 1931b:191, pl. 2, figs. 39-41. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- OEDIPUS** Becker, 1922:53, fig. 5. Type-locality: Brazil, Santa Catarina, Blumenau. Distr. — Brazil.
- OPULENTUS** Van Duzee, 1930b:10, pl. 2, figs. 64-66. Type-locality: Chile, Castro. Distr. — Chile.
- OVATUS** Van Duzee, 1914b:436, pl. 18, figs. 5-6. Type-locality: U.S.A., Georgia. Distr. — U.S.A. (New York and Michigan s. to Florida), ? Costa Rica, ? Panama.
- PARAGUAYENSIS** Parent, 1931:13, pl. 2, figs. 46-48. Type-locality: Paraguay, Hohenau. Distr. — Paraguay.
- PARVULUS** Parent, 1930a:17, figs. 18-20. Type-locality: Brazil, Pará, Santarém, Faz. Taperinha. Distr. — Brazil.
- PERUANUS** Becker, 1922:54. Type-locality: Peru, Callanga. Distr. — Peru.
- PICTIPES** Becker, 1922:54. Type-locality: Paraguay, San Bernardino. Distr. — Paraguay.
- PLUMICORNIS** Van Duzee, 1931c:25, fig. 29. Type-locality: "Pasagua" (? Nicaragua). Distr. —? Nicaragua.
- PROPINQUUS** Wheeler, 1899:18, pl. 1, figs. 22-24. Type-locality: U.S.A., Florida. Distr. — U.S.A. (Massachusetts, Florida), ? South America.
- PUMILIO** Loew, 1872:90. Type-locality: U.S.A., Texas. Distr. — U.S.A. (Michigan and Maryland to Texas), Mexico.
- QUADRINOTATUS** Aldrich, 1902:81. Type-locality: Grenada I. Distr. — U.S.A. (Florida, Texas), West Indies.
- SIMPLEX** Van Duzee, 1929a:43. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- SORDIDUS** Van Duzee, 1933a:22, figs. 45-46. Type-locality: Guatemala, Pochuta, Santa Emilia. Distr. — Guatemala.
- SPINULIGER** Parent, 1933a:254, figs. 14-16. Type-locality: Bolivia, Chiquitos, San José; Argentina: Tapikiolé, Pilcomayo, and Lapango. Distr. — Bolivia, Argentina.
- STYLATUS** Becker, 1922:56. Type-locality: Peru, Callanga. Distr. — Peru.
- VENUSTUS** Aldrich, 1901:340, pl. 6, fig. 11. Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico, Panama, Peru.
- VIRIDUS** Van Duzee, 1931d:11, fig. 10. Type-locality: Honduras, La Ceiba. Distr. — Honduras.

Genus PELASTONEURUS Loew

- Paracleius** Bigot, 1859:215, 227. Type-species, *Dolichopus heteroneurus* Macquart (mon.). See discussion under *Paracleius*.
- PELASTONEURUS** Loew, 1861a:36. Type-species, *vagans* Loew (Coquillett, 1910:586).
- Ref. — Van Duzee, 1923a, 1931b (keys).
- ACUTICAUDA** Van Duzee, 1929a:59, pl. 2, figs. 72-73. Type-locality: Guatemala, El Salto. Distr. — Guatemala.

- AEQUALIS** Van Duzee, 1927b:5. Type-locality: Puerto Rico, Adjuntas, Distr. — Puerto Rico.
- ARGENTIFER** Aldrich, 1896:313. Type-locality: St. Vincent I. Distr. — West Indies, Mexico, Costa Rica.
- BAREICAUDA** Van Duzee, 1923a:43. Type-locality: Mexico, Lower California, San Evaristo and Loreto. Distr. — Mexico.
- BEQUARTI** Van Duzee, 1933a:26, fig. 51. Type-locality: Guatemala, Guatemala, Moca. Distr. — Guatemala.
- BIGEMINATUS** Aldrich, 1901:338, pl. 6, fig. 13. Type-locality: Mexico, Veracruz, Atoyac. Distr. — Mexico.
- BIGUTTATUS** Becker, 1922:64, fig. 7. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- BILAMELLATUS** Van Duzee, 1931b:199. Type-locality: Panama, Corozal. Distr. — Panama.
- BILINEATUS** Van Duzee, 1931b:198, pl. 2, fig. 49. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
- BRASILIENSIS** Van Duzee, 1931d:11, fig. 11. Type-locality: Brazil, Mato Grosso, Corumbá. Distr. — Brazil, Paraguay.
- CAERULEUS** Van Duzee, 1923a:37. Type-locality: Guatemala, Santa Lucia. Distr. — Guatemala. ..
- CANCIOI** Parent, 1933a:250, figs. 6-8. Type-locality: Argentina, Pilcomayo. Distr. — Argentina.
- COSTALIS** Van Duzee, 1923a:38, pl. 1, fig. 22. Type-locality: Mexico, Veracruz. Distr. — Mexico, Peru, Argentina.
- DECORUS** Parent, 1931:14, pl. 2, figs. 49-50. Type-locality: Peru, mouth of R. Pachitea. Distr. — Peru, Argentina.
- DIGITULUS** Becker, 1922:66. Type-locality: Paraguay: San Bernardino. Distr. — Paraguay.
- DORSALIS** Van Duzee, 1923a:42. Type-locality: Mexico, Baja California, San Evaristo. Distr. — Mexico.
- FASCIATUS** Röder, 1885:341. Type-locality: "Puerto Rico". Distr. — Puerto Rico.
- FLAVIPES** Schiner, 1868:219. Type-locality: "Brazil". Distr. — Brazil.
- FLORIDANUS** Wheeler, 1899:13, pl. 2, fig. 26. Type-locality: U.S.A., Florida. Distr. — U.S.A. (North Carolina to Texas), Costa Rica.
- FUSCIPENNIS** Van Duzee, 1929a:60. Type-locality: Guatemala, Los Amates. Distr. — Guatemala.
- FUSCITARSIS** Van Duzee, 1932a:14, fig. 9. Type-locality: Cuba, Soledad. Distr. — Cuba.
- HAMATUS** Aldrich, 1901:338, pl. 6, figs. 12-12a. Type-locality: Mexico, Mexico City. Distr. — Mexico.
- INSULANUS** Van Duzee, 1923a:39, pl. 1, fig. 20. Type-locality: Cuba, Havana. Distr. — Cuba.
- IRRASUS** (Walker), 1849:667 (*Dolichopus*). Type-locality: U.S.A., Florida. Distr. — U.S.A., ? Central America. Described from female.
- LORIFER** Parent, 1931:14, pl. 2, figs. 51-52. Type-locality: Peru, mouth of R. Pachitea. Distr. — Peru.
- LUGUBRIS** Loew, 1861a:38. Type-locality: U.S.A., New York. Distr. — U.S.A. (Vermont and Michigan to Florida and Texas), Mexico.



- LUTEIFACIES Parent, 1934b:129, figs. 33-34. Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico.
- MACULITIBIA Van Duzee, 1929a:58, pl. 2, fig. 71. Type-locality: Guatemala, Antigua, El Salto. Distr. — Guatemala.
- MEXICANUS (Bigot), 1888c:xxx (*Poecilobothrus*). Type-locality: "Mexico". Distr. — Mexico.
- NIGRIFACIES Van Duzee, 1923a:32, pl. 1, figs. 8-9. Type-locality: Guatemala, Los Amates. Distr. — Guatemala.
- NIGRITIBIA Parent, 1934a:271, pl. 70, figs. 30-31. Type-locality: Colombia, Quatiquia R., Villavicencio. Distr. — Colombia.
- NITIDUS Van Duzee, 1931b:197, pl. 2, fig. 48. Type-locality: Panama, Barro Colorado I. Distr. — Panama, Costa Rica.
- OCHREIFACIES Van Duzee, 1931d:13, fig. 13. Type-locality: Brazil, Mato Grosso, Corumbá. Distr. — Brazil.
- PECTINATUS Van Duzee, 1929a:61, pl. a, fig. 74. Type-locality: Guatemala, La Providencia, Obispo. Distr. — Guatemala.
- PLUMICAUDA Van Duzee, 1931d:12, fig. 12. Type-locality: Paraguay, Concepción. Distr. — Paraguay.
- PLUMOSUS Parent, 1934b:130, figs. 35-36. Type-locality: Costa Rica, La Caja. Distr. — Costa Rica.
- PUNCTIPENNIS (Say), 1829:170 (*Medeterus*). Type-locality: "Mexico". Distr. — Mexico, Costa Rica, Bolivia.
- variegatus* Aldrich, 1901, pl. 6, fig. 14. Type-locality: Mexico, Orizaba.
- REMISSUS Parent, 1939:146, fig. 10-11. Type-locality: Costa Rica, Hamburg Farm. Distr. — Costa Rica.
- SEMIPLUMATUS Becker, 1922:69, figs. 10-12. Type-locality: "Amerika". Distr. — America.
- STRIATUS Parent, 1928:183, figs. 55-56. Type-locality: Brazil, São Paulo, Santos. Distr. — Brazil.
- TEANIATUS Becker, 1922:70. Type-locality: St. Jean I. Distr. — Virgin Islands, Dominica I.
- TRAPEZOIDES Becker, 1922:71. Type-locality: Paraguay, Asunción, Villa Morra. Distr. — Paraguay.
- TURBIDUS Becker, 1922:71, fig. 13. Type-locality: Bolivia, Mapiri, Chimate and Sarampiuni; Cillutincara. Distr. — Bolivia.
- UMBRIPICTUS Becker, 1922:73. Type-locality: U.S.A., Carolina, Colombia, Baranquilla. Distr. — U.S.A., Mexico, Belize, Colombia.
- UNGUICULATUS (Aldrich), 1896:310, pl. 11, fig. 101, pl. 12, fig. 116 (*Poecilobothrus*). Type-locality: St. Vincent I. Distr. — West Indies, Mexico, Costa Rica, Argentina.
- VAGANS Loew, 1861a:39. Type-locality: U.S.A., Middle States. Distr. — Canada, Alaska, U.S.A., ? Central America.
- longilamellatus* Parent, 1929b:180, figs. 13-14. Type-locality: U.S.A., Texas; Georgia.
- VANDUZEEI Parent, 1931:14, pl. 2, fig. 53, pl. 3, fig. 54. Type-locality: Peru, Paso de Lares. Distr. — Peru.
- VERSICOLOR Van Duzee, 1932a:13, figs. 10-11. Type-locality: Cuba, Soledad. Distr. — Cuba.



Genus PROARCHUS Aldrich

- Phylarchus* Aldrich, 1901:342 (preocc. Simon, 1888). Type-species, *tripartitus* Aldrich (mon.).
PROARCHUS Aldrich, 1910:100 (nom. nov. for *Phylarchus* Aldrich). Type-species, *Phylarchus tripartitus* Aldrich (aut.).
TRIPARTITUS (Aldrich), 1901:342, pl. 6, fig. 16 (*Phylarchus*). Type-locality: Mexico, Veracruz. Distr. — Mexico, Panama.

Genus SARCIONUS Aldrich

- SARCIONUS Aldrich, 1901:341. Type-species, *Pelastoneurus lineatus* Aldrich (orig. des.).
Ref. — Van Duzee, 1931b, 1934b (keys).
ACUTISPINA Van Duzee, 1931b:196, pl. 2, figs. 43-44. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
CURRANI Van Duzee, 1931b:195. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
FLAVICOXA Aldrich, 1901:341, pl. 6, figs. 15-15a. Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico.
INTERMEDIUS Van Duzee, 1931b:194, pl. 2, fig. 42. Type-locality: Panama, Barro Colorado I. Distr. — Panama.
LINEATUS (Aldrich), 1896:312 (*Pelastoneurus*). Type-locality: St. Vincent I. Distr. — West Indies, Mexico.
MACULATUS Van Duzee, 1929a:57. Type-locality: Guatemala, Quirigua. Distr. — Guatemala, South America.
MACULIPENNIS Van Duzee, 1934b:373, pl. 1, figs. 9-10. Type-locality: Guyana, Kartabo. Distr. — Guyana.
OBTUSUS Van Duzee, 1933a:24, fig. 49. Type-locality: Guatemala, Gualalón, Moca. Distr. — Guatemala.
PECTINICAUDA Van Duzee, 1934b:373, pl. 1, fig. 8. Type-locality: Guyana, Kartabo. Distr. — Guyana.
PUSILLUS (Macquart), 1846:249, pl. 11, fig. 18 (*Dolichopus*). Type-locality: "Brazil". Distr. — Brazil.
ROTUNDICORNIS Van Duzee, 1931b:196, pl. 2, figs. 45-46. Type-locality: Panama, Barro Colorado I. Distr. — Panama.

Genus STENOPYGIUM Becker

- STENOPYGIUM Becker, 1922:75. Type-species, *nubeculum* Becker (mon.).
NUBECULUM Becker, 1922:75, figs. 17-18. Type-locality: Bolivia, Mapiri, Lorenzopata; Peru: Pichis, Callanga.

Genus TACHYTRECHUS Haliday

- Ammobates* Stannius, 1831:33, 268 (preocc. Latreille, 1809). Type-species, *notatus* Stannius (Rondani, 1856:143).
Hammobates, error or emend.
TACHYTRECHUS Haliday, 1851:173 (nom. nov. for *Ammobates* Stannius). Type-species, *Ammobates notatus* Stannius (aut.). *Tachytrechus* of Stannius, 1831, is a nomem nudum.

Tetrecthus, error

Gongrophora Philippi, 1875:86. Type-species, *medinae* Philippi (mon.). N. SYN.

Polymedon Osten Sacken, 1877:317. Type-species, *flabellifer* Osten Sacken (mon.). N. SYN.

Macellocerus Mik, 1878, ? 3. Type-species, *Tachytrecthus moechus* Loew (orig. des.).

Psilischium Becker, 1922:93. Type-species, *laevigatum* Becker, (mon.). N. SYN.

A very broad genus concept is adopted here, including not only the genera listed but also many species originally described in *Paraclius*. The only species in the complex that do seem reasonably distinctive are those which have been placed in *Macellocerus*. If the latter group is ever recognized as distinct, the name, *Gongrophora* Philippi, has priority. Ref. — Greene, 1922; Harmston & Knowlton, 1940; Van Duzee 1927d (keys).

ABDOMINALIS (Aldrich), 1902:78 (*Paraclius*). Type-locality: Grenada I. Distr. — West Indies, Brazil, Peru, Bolivia. N. COMB.

ALBINUS (Becker), 1922:43, fig. 1 (*Paraclius*). Type-locality: Bolivia, Mapiiri, Sarampiuni. Distr. — Bolivia. N. COMB.

ALBITALUS (Van Duzee), 1929a:42 (*Paraclius*). Type-locality: Panama, Barro Colorado I. Distr. — Panama. N. COMB.

ALBITERMINALIS Van Duzee, 1930b:66, pl. 2, figs. 70-71. Type-locality: Argentina, Mendoza. Distr. — Argentina.

ALBONOTATUS (Loew), 1864:102 (*Paraclius*). Type-locality: U.S.A., Louisiana. Distr. — U.S.A., Central America.

ALBOPILUS (Van Duzee), 1931d:7, fig. 4 (*Paraclius*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil. N. COMB.

ALDRICHI (Van Duzee), 1929a:45 (*Paraclius*). Type-locality: Guatemala, Alta Vera Paz, Tamau. Distr. — Guatemala. N. COMB.

AMERICANUS (Schiner), 1868:220 (*Sybistroma*). Type-locality: "Brazil". Distr. — Brazil. N. COMB. As described the face is like *Tachytrecthus* and unlike *Sybistroma*.

ANGUSTIPENNIS Loew, 1862:213. Type-locality: U.S.A., District of Columbia. Distr. — U.S.A., Mexico, Costa Rica, Peru, Chile.

ANTENNATUS Van Duzee, 1930b:68, pl. 2, figs. 73-74. Type-locality: Argentina, Mendoza. Distr. — Argentina

ARGENTATUS (Aldrich), 1901:334, pl. 6, fig. 7 (*Polymedon*). Type-locality: Mexico, Morelos. Distr. — Mexico. N. COMB.

ARGENTIMANUS (Van Duzee), 1929a:48 (*Paraclius*). Type-locality: Guatemala, La Providencia, Obispo. Distr. — Guatemala, Brazil. N. COMB.

ARGENTIPES Van Duzee, 1930b:7, pl. 2, figs. 71-72. Type-locality: Argentina, Bariloche. Distr. — Argentina.

ARGYROPIUS Becker, 1922:79. Type-locality: America, ? Chile. Distr. — America.

BELLUS (Aldrich), 1902:81 (*Paraclius*). Type-locality: Grenada I. Distr. — Lesser Antilles. N. COMB.

SIPUNCTATUS (Macquart), 1842:186 (*Dolichopus*). Type-locality: Chile. Distr. — Chile.

- BOLIVIENSIS Parent, 1931:15, pl. 3, figs. 57-58. Type-locality: Bolivia, Sorata. Distr. — Bolivia.
- CALLOSUS (Becker), 1922:45 (*Paraclius*). Type-locality: Peru, Callanga; Venezuela. Distr. — Ecuador, Peru, Venezuela. N. COMB.
- CILIFERUS (Becker), 1922:45, fig. 2 (*Paraclius*). Type-locality: Peru, Urubamba, Umahuankiali. Distr. — Peru. N. COMB.
- CONFUSUS Parent, 1931:15 (Becker, 1922: fig. 28, as *vorax*). Type-locality: "Peru". Distr. — Peru.
- COSTALIS (Becker), 1922:46 (*Paraclius*). Type-locality: Paraguay, San Bernardino. Distr. — Paraguay. N. COMB.
- EXCISICORNIS (Parent), 1930a:16, figs. 15-17 (*Paraclius*). Type-locality: Brazil, Pará, Belém. Distr. — Brazil. N. COMB.
- FACIALIS (Becker), 1922:48 (*Paraclius*). Type-locality: "Brazil". Distr. — Brazil. N. COMB.
- FEMORALIS (Becker), 1922:48 (*Paraclius*). Type-locality: "Brazil". Distr. — Brazil. N. COMB.
- FORMOSUS (Parent), 1931:13, pl. 2, figs. 42-43 (*Paraclius*). Type-locality: Peru, Paso de Lares. Distr. — Peru. N. COMB.
- FRONTALIS (Van Duzee), 1929a:49 (*Paraclius*). Type-locality: Guatemala, Alta Vera Paz, Tamau. Distr. — Guatemala. N. COMB.
- FUSCICORNIS (Aldrich), 1902:79 (*Paraclius*). Type-locality: Grenada I. Distr. — Lesser Antilles. N. COMB.
- FUSCIPENNIS (Van Duzee), 1931d:9, fig. 8 (*Paraclius*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil. N. COMB.
- FUSIFORMIS (Becker), 1922:49, figs. 3-4 (*Paraclius*). Type-locality: Peru, Urubamba, Umahuankiali. Distr. — Panama, Peru. N. COMB.
- GUANICA Curran, 1925: 4. Type-locality: Guyana, Kaieteur. Distr. — Guyana.
- HUMERALIS (Aldrich), 1901:340, pl. 6, fig. 10 (*Paraclius*). Type-locality: Mexico, Veracruz, Atoyac. Distr. — Mexico, Costa Rica. N. COMB.
- INTERMEDIUS Becker, 1922:80, fig. 20. Type-locality: Chile: Arica, Tacna, Quillota, and Valparaíso; Peru: Sicuani, Calca, Cuzco, Urubamba, Uroya I., and Tarma; Bolivia: Titicaca; Puerto Rico. Distr. — Puerto Rico, Peru, Bolivia, Chile, Argentina.
- LAEVIGATUM (Becker), 1922:95, figs. 32-36a (*Psilischium*). Type-locality: Peru, Paso de Lares. Distr. — Peru. N. COMB.
- LATIFACIES (Becker), 1922:51 (*Paraclius*). Type-locality: Peru, Callanga; Paraguay, San Bernardino. Distr. — Peru, Paraguay. N. COMB.
- LATIPES (Aldrich), 1896:311, pl. 12, fig. 111 (*Hercostomus*). Type-locality: St. Vincent I. Distr. — West Indies. N. COMB.
- LATITARSIS Becker, 1922:81. Type-locality: Chile, Palca. Distr. — Chile.
- LATITIBIUS (Van Duzee), 1929a:46, pl. 2, fig. 55 (*Paraclius*). Type-locality: Guatemala, Alta Vera Paz, Tamau. Distr. — Guatemala. N. COMB.
- LINDNERI Parent, 1933a:255, figs. 17-18. Type-locality: Bolivia, Villa Montes. Distr. — Bolivia.
- LONGICILIATUS (Van Duzee), 1931b:193 (*Paraclius*). Type-locality: Panama, Barro Colorado I. Distr. — Panama. N. COMB.
- LONGIFACIES (Becker), 1922:89 (*Polymedon*). Type-locality: Chile, Palca. Distr. — Chile. N. COMB.
- LUTEIFACIES (Parent), 1928:156, figs. 5-7 (*Polymedon*). Type-locality: Costa Rica, La Caja. Distr. — Costa Rica. N. COMB.

- MEDINAE (Philippi), 1875:86 (*Gongrophora*). Type-locality: Chile, Santiago. Distr. — Chile. N. COMB. Present rules of nomenclature would allow rejection of the name except for its mention by Porter (1929).
- perplexus* Parent, 1931:12, pl. 2, figs. 39-41 (*Macellocerus*). Type-locality: Chile, Quillota. N. SYN.
- MELANOCHIRUS Van Duzee, 1930b:67. Type-locality: Argentina, Mendoza, Potrerillos. Distr. — Argentina.
- NIGRIPES (Aldrich), 1902:78 (*Paraclius*). Type-locality: Grenada I. Distr. — Grenada I, Peru. N. COMB.
- NIMIUS (Aldrich), 1901:334, pl. 6, figs. 8-9 (*Polymedon*). Type-locality: Mexico, Guerrero. Distr. — U.S.A. (Idaho), Mexico, Guatemala, South America. N. COMB.
- nigricornis* Van Duzee, 1929a:53. pl. 2, figs. 62-67 (*Polymedon*). Type-locality: Guatemala, Alta Vera Paz, Tamau.
- NOTATUS (Van Duzee), 1929a:56 (*Polymedon*). Type-locality: Guatemala, Alta Vera Paz, Polochic R. Distr. — Guatemala.
- OBTECTUS Becker, 1922:82, figs. 21-24. Type-locality: Chile, Arica. Distr. — Chile.
- PARENTI Robinson, nom. nov. for *Polymedon latitarsis* Parent. Type-locality: unknown. Distr. — America.
- latitarsis* Parent, 1929b:182, figs. 18-21 (*Polymedon*; preocc. Becker, 1922). Type-locality: unknown.
- PARTITUS (Van Duzee), 1929a:54, pl. 2, figs. 68-69 (*Polymedon*). Type-locality: Guatemala, Antigua, El Salto. Distr. — Guatemala. N. COMB.
- PARVICAUDA (Van Duzee), 1929a:44 (*Paraclius*). Type-locality: Guatemala, La Providencia, Siquinala. Distr. — Guatemala. N. COMB.
- PLATYPUS Parent, 1931:16, pl. 3, figs. 59-61. Type-locality: Peru, Mamara. Distr. — Peru.
- POTENS (Parent), 1934a:271, pl. 70, fig. 29 (*Paraclius*). Type-locality: Colombia, Gorgona I. Distr. — Colombia. N. COMB.
- PRESSITIBIA (Parent), 1931:14, pl. 3, figs. 55-56 (*Polymedon*). Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia. N. COMB.
- PTEROPODUS Schiner, 1868:220. Type-locality: "Brazil". Distr. — Brazil.
- ROBUSTUS (Becker), 1922:55 (*Paraclius*). Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia. N. COMB.
- RUBIGINOSUS (Van Duzee), 1929a:55, pl. 2, fig. 70 (*Polymedon*). Type-locality: Guatemala, Alta Vera Paz, Tamau. Distr. — Guatemala. N. COMB.
- SETOSUS (Van Duzee), 1931b:189, fl. 2, fig. 32 (*Paraclius*). Type-locality: Panama, Bruja Point. Distr. — Panama. N. COMB.
- SHANNONI (Van Duzee), 1930b:69, pl. 3, figs. 35-36 (*Polymedon*). Type-locality: Peru, Lima, Verrugas Cañon. Distr. — Peru. N. COMB.
- SUBCOSTATUS (Van Duzee), 1931b:188, pl. 2, figs. 29-30 (*Paraclius*). Type-locality: Panama, Barro Colorado I. Distr. — Panama. N. COMB.
- SUBPUBESCENS (Becker), 1922:56, fig. 6 (*Paraclius*). Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia. N. COMB.

- SUPERBUS** (Aldrich), 1896:318, pl. 11, fig. 103, pl. 12, figs. 113, 118-119 (*Polymedon*). Type-locality: St. Vincent I. Distr. — Lesser Antilles. N. COMB.
- TRANSVERSUS** (Van Duzee), 1929a:52, pl. 2, fig. 61 (*Polymedon*). Type-locality: Guatemala, Zacapa, El Jicara. Distr. — Mexico, Guatemala. N. COMB.
- TRIANGULARIS** (Aldrich), 1901:335 (*Polymedon*). Type-locality: Mexico, Morelos. Distr. — Mexico. N. COMB.
- TYLOPHORUS** (Schiner), 1868:219 (*Paracleius*). Type-locality: "South America". Distr. — Brazil. N. COMB.

Subfamily HYDROPHORINAE

Genus APHROSYLUS Haliday

- APHROSYLUS** Haliday, 1851:220. Type-species, *raptor* Haliday (Coquillett, 1910:508).
- Aphrosylus*, subg. *Paraphrosylus* Becker, 1922:127. Type-species, *praedator* Wheeler (Foote, Coulson, & Robinson, 1965:509).
Ref. — Wheeler, 1897 (revision, larvae); Van Duzee, 1924c (key); Saunders, 1928; Wirth & Stone, 1956 (biology).
- FUMPENNIS** (Van Duzee), 1924c:76 (*Paraphrosylus*). Type-locality: Mexico, Gulf of California, Esteban I. Distr. — Mexico.
- TENUIPES** (Van Duzee), 1924c:77 (*Paraphrosylus*). Type-locality: Mexico, Gulf of California. Distr. — Mexico.

Genus CYMATOPUS Kertész

- CYMATOPUS** Kertész, 1901:408. Type-species, *tibialis* Kertész (mon.).
- Vanduzeeia* Parent, 1934a:257. Type-species, *cheesmani* Parent (orig. des.).
- I have seen material of additional undescribed species from Panama and the Lesser Antilles. Ref. — Parent, 1935 (key).
- CHEESMANI** (Parent), 1934a:258, pl. 67, figs. 1-4 (*Vanduzeeia*). Type-locality: Ecuador, Galápagos I. Distr. — Ecuador (Galápagos), Costa Rica (Cocos I.)
- SETOSUS** (Curran), 1932:352 (*Aphrosylus*). Type-locality: Ecuador, Galápagos I. Distr. — Ecuador (Galápagos).

Genus HYDROPHORUS Fallén

- HYDROPHORUS** Fallén, 1823:2. Type-species, *jaculus* Fallén (Macquart, 1827a:249; 1827:37).
- Aphrozeta* Perris, 1847:491. Type-species, *semiglauc* Perris = *viridis* (Meigen) (Coquillett, 1910: 508).
- In a letter, Dr. Hans Ulrich of Munich has called my attention to the fact that *Hydrophorus jaculus* Fallén is a *Medetera*. It is hoped that a later typification can be conserved that will be in accordance with the current concept of the genus.
- Ref. — Van Duzee, 1930b (key).
- ALBOPICTUS** Parent, 1931:16, pl. 3, figs. 62-63. Type-locality: Chile, Punta Arenas. Distr. — Chile.
- COGNATUS** Parent, 1931:16, pl. 3, fig. 64. Type-locality: Argentina, Chubut, Madryn Territ. Distr. — Argentina.



- DIMINUATUS Becker, 1922:109. Type-locality: Argentina, Buenos Aires. Distr. — Argentina.
- ELEVATUS Becker, 1922:109, figs. 40-41. Type-locality: Peru: Cuzco, Puno, Titicaca, and Juliaca; Chile: Coquimbo, and Arica. Distr. — Peru, Chile.
- KUSCHELI Harmston, 1955:35. Type-locality: Chile, Juan Fernández, Masatierra. Distr. — Chile (Juan Fernández).
- LATICORNIS Becker, 1922:111, figs. 42-43. Type-locality: Chile, Magellan Straits; Argentina, San Julian. Distr. — Chile, Argentina.
- NERVOSUS Becker, 1922:112. Type-locality: Chile, Magellan Straits. Distr. — Chile.
- OCHRIFACIES Van Duzee, 1930b:15. Type-locality: Chile, Castro. Distr. — Chile.
- PATAGONICUS Van Duzee, 1931d:6. Type-locality: Argentina, Patagonia. Distr. — Argentina.
- POLIOGASTER (Philippi), 1865:780 (*Hydatostega*). Type-locality: Chile, Santiago. Distr. — Chile (Santiago, Juan Fernández), Uruguay.
- infuscatus* Bigot, 1890:294. Type-locality: "Chile".
- FRAECOX (Lehmann), 1822:42 (*Dolichopus*). Type-locality: "Germany". Distr. — Europe, southern Canada, U.S.A., Chile.
- cinereus* Perris, 1847:492 (*Aphrozeta*). Type-locality: "France". Reported from South America.
- REGULARIS Becker, 1922:114. Type-locality: Argentina, San Julian. Distr. — Argentina.
- SOLITARIUS d'Andretta, 1952:267, figs. 1-4. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- TITICACA Becker, 1922:114, figs. 44-46. Type-locality: Bolivia, Guaqui, Lake Titicaca. Distr. — Bolivia.

Genus LIANCALUS Loew

- Anoplomerus* Rondani, 1856:141 (preocc. Dejean, 1835). Type-species, *Musca regius* Fabricius (orig. des.) = *virens* (Scopoli).
- LIANCALUS Loew, 1857a:22 (nom. nov. for *Anoplomerus* Rondani). Type-species, *Musca regius* Fabricius (aut.) = *virens* (Scopoli).
- GENUALIS Loew, 1861c:70. Type-locality: U.S.A., Middle States. Distr. — Canada (Quebec), U.S.A. (Minnesota to Georgia), Mexico (Guerrero). The Mexican specimen differs from eastern North American material by a few characters including the presence of a row of small acrostichal setae.

Genus OEDEMATOPUS Van Duzee

- OEDEMATOPUS Van Duzee, 1929a:38. Type-species, *crassitibia* Van Duzee (mon.).
- Ref. — Van Duzee, 1930b (key).
- CRASSITIBIA Van Duzee, 1929a:39, pl. 2, figs. 77-78. Type-locality: Guatemala, Antigua, El Salto. Distr. — Mexico, Guatemala.
- SHANNONI Van Duzee, 1930b:72, pl. 3, figs. 28-33. Type-locality: Peru, Lima, Verrugas Cañon. Distr. — Peru.
- TRANSVERSUS Van Duzee, 1930b:74, pl. 3, fig. 34. Type-locality: Peru, Lima, Verrugas Cañon. Distr. — Peru.
- VIDUA (Becker), 1922:118, fig. 47 (*Liancalus*). Type-locality: Peru, Pichis. Distr. — Peru.

Genus SYNTOMONEURUM Becker

- SYNTOMONEURUM Becker, 1922:123. Type-species, *alatum* Becker (mon.).
Syntormoneurum, error or emend.
 Ref. — Parent, 1954 (key).
 ALATUM Becker, 1922:124, fig. 50. Type-locality: Peru: Pichís, Urubamba,
 Umahuankiali. Distr. — Peru.
 ANALE Parent, 1954:226, figs. 7-10. Type-locality: Colombia, Boyaca,
 Muzo. Distr. — Colombia.
 BECKERI Parent, 1931:17. Type-locality: Peru, Urubamba, Umahuankiali.
 Distr. — Peru.

Genus THINOPHILUS Wahlberg

- THINOPHILUS Wahlberg, 1844:37 (also Schiödt, 1844:44). Type-species,
Rhaphium flavipalpe Zetterstedt (mon.).
 Ref. — Van Duzee, 1926b (key).
 ARMIGER Van Duzee, 1926b:43. Type-locality: U.S.A., Florida. Distr. —
 U.S.A. (North Carolina to Texas), Mexico (Chiapas).
 DEPRESSUS Van Duzee, 1926b:39. Type-locality: Mexico, Baja California.
 Distr. — U.S.A. (Utah), Mexico.
 LONGIVENTRIS Van Duzee, 1926b:40. Type-locality: Mexico, Baja Califor-
 nia and Sonora. Distr. — Mexico.
 MEXICANUS Van Duzee, 1926b:38. Type-locality: Mexico, Tepoca. Distr.
 — Mexico.
 OCHRIFACIES Van Duzee, 1924a:101. Type-locality: U.S.A., New York.
 Distr. — Canada (Nova Scotia), U.S.A. (Maine to Florida), West
 Indies, Mexico (Chiapas).
 PANAMENSIS Van Duzee, 1929a:32, pl. 2, fig. 44. Type-locality: Panama,
 Old Panama. Distr. — Panama.

Unplaced Species of Dolichopodidae

- BASALIS Philippi, 1865:775 (*Chrysotus*). Type-locality: Chile, Valdivia.
 COLLINUS Philippi, 1865:779 (*Dolichopus*). Type-locality: Chile, "in colli
 S. Cristoval dicto cepi".
 CONCINNARIUS Say, 1829:168 (*Chrysotus*). Type-locality: "Mexico".
 ?*Diaphorus* (Loew, 1864).
 CONCOLOR Philippi, 1865:777 (*Dolichopus*). Type-locality: Chile, Santiago
 and Valdivia.
 DUBIOSUS Philippi, 1865:776 (*Dolichopus*). Type-locality: Chile, Valdivia.
 ? *Sympycnus* (Edwards in Van Duzee, 1930b).
 FLAVIFRONS Philippi, 1865:777 (*Dolichopus*). Type-locality: Chile, Valdi-
 via. ? Acalyptrate (Edwards in Van Duzee, 1930b).
 HEYDENI Wiedemann, 1830:230 (*Dolichopus*). Type-locality: "Brazil".
 HORTICOLA Philippi, 1865:775 (*Dolichopus*). Type-locality: Chile, Santia-
 go. ? *Sympycnus* (Edwards in Van Duzee, 1930b).
 INORNATUS Philippi, 1865:779 (*Dolichopus*). Type-locality: Chile, Valdi-
 via. ? Acalyptrate (Edwards in Van Duzee, 1930b).
 LONGIPES Philippi, 1865:778, pl. 28, fig. 51 (*Dolichopus*). Type-locality:
 Chile, Valdivia. ? *Sympycnus* (Edwards in Van Duzee, 1930b).



PUNCTIGER Philippi, 1865:779 (*Dolichopus*). Type-locality: Chile, Valdiviva. ? *Tachytrechus* (Edwards in Van Duzee, 1930b).

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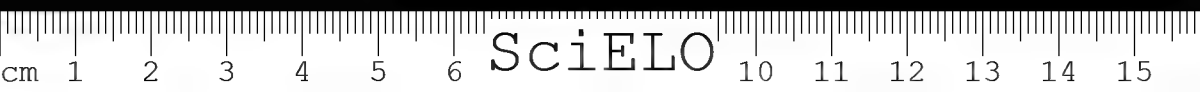
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<i>chiapensis</i> Robinson, 1965, <i>Discopygiella</i>	40.25
<i>chillensis</i> Parent, 1928, <i>Sympycnus</i>	40.42
<i>chillensis</i> Van Duzee, 1930, <i>Chrysotus</i>	40.32
<i>choricus</i> Wheeler, 1890, <i>Chrysotus</i>	40.29
<i>chrysoprasi</i> (Walker), 1849 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.5
<i>Chrysosoma</i> Guérin-Ménéville, 1831	40.2
<i>Chrysosomatinae</i>	40.2
<i>Chrysotimus</i> Loew, 1857	40.24
<i>Chrysotus</i> Meigen, 1824	40.28
<i>chrysotus</i> Parent, 1928, <i>Diaphorus</i>	40.33
<i>ciliata</i> Robinson, 1964, <i>Enlinia</i>	40.23
<i>ciliatus</i> Becker, 1922, <i>Diaphorus</i>	40.33
<i>ciliatus</i> Becker, 1922, <i>Sympycnus</i>	40.42
<i>ciliatus</i> (Loew), 1861 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.9
<i>ciliatus</i> Parent, 1929, <i>Condyllostylus</i>	40.5
<i>cilicostatus</i> (Van Duzee), 1927 (<i>Psilopus</i>), <i>Sciapus</i>	40.15
<i>cilifemoratus</i> Parent, 1932, <i>Sympycnus</i>	40.42
<i>ciliferus</i> (Becker), 1922 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.54
<i>ciliipennis</i> (Aldrich), 1901 (<i>Gnamptopsilopus</i>), <i>Sciapus</i>	40.15
<i>ciliipes</i> (Aldrich), 1901 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.5
<i>cilitarsis</i> (Wulp), 1888 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.5
<i>cilitibia</i> Parent, 1939, <i>Condyllostylus</i>	40.5
<i>cilitibia</i> Parent, 1932, <i>Sympycnus</i>	40.42
<i>cinctiventris</i> Van Duzee, 1934, <i>Condyllostylus</i>	40.5
<i>cinereicollis</i> (Wulp), 1888 (<i>Saucropus</i>), <i>Neurigona</i>	40.17
<i>cinereus</i> (Perris), 1847 (<i>Aphrozeta</i>), <i>Hydrophorus</i>	40.57
<i>clathratus</i> (Macquart), 1842 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.5
<i>clavatus</i> (Van Duzee), 1929 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.5
<i>clavatus</i> Van Duzee, 1913, <i>Sympycnus</i>	40.42
<i>clavicauda</i> Robinson, 1967, <i>Harmstonia</i>	40.24
<i>claviculatus</i> Loew, 1866, <i>Paraclius</i>	40.48
<i>clavipes</i> (Aldrich), 1901 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.5
<i>clavipilus</i> Parent, 1929, <i>Condyllostylus</i>	40.5



<i>clunalis</i> (Coquillett), 1902 (<i>Sciopus</i>), <i>Condyllostylus</i>	40.5
<i>cobaltinus</i> Van Duzee, 1924, <i>Chrysotus</i>	40.29
<i>cochlearis</i> Becker, 1922, <i>Condyllostylus</i>	40.5
<i>Coelinium</i> Parent, 1939	40.17
<i>Coeloglutus</i> Aldrich, 1896	40.17
<i>coerulescens</i> (Loew), 1857 (<i>Lyroneurus</i>), <i>Diaphorus</i>	40.35
<i>cognatus</i> Parent, 1931, <i>Hydrophorus</i>	40.56
<i>Collinellula</i> Aldrich, 1932	40.23
<i>collinus</i> Philippi, 1865 (<i>Dolichopus</i>)	40.58
<i>comatum</i> (Loew), 1861 (<i>Psilopus</i>), <i>Chrysosoma</i>	40.2
<i>comatus</i> Van Duzee, 1931, <i>Sympycnus</i>	40.42
<i>comes</i> Parent, 1933, <i>Condyllostylus</i>	40.5
<i>completus</i> Becker, 1922, <i>Condyllostylus</i>	40.6
<i>concavus</i> Aldrich, 1896, <i>Coeloglutum</i>	40.17
<i>concinarius</i> Say, 1829 (<i>Chrysotus</i>)	40.58
<i>concolor</i> Philippi, 1865 (<i>Dolichopus</i>)	40.58
<i>Condyllostylus</i> Bigot, 1859	40.3
<i>confluens</i> Becker, 1922, <i>Condyllostylus</i>	40.5
<i>confraternus</i> Van Duzee, 1930, <i>Chrysotimus</i>	40.24
<i>confusus</i> Parent, 1931, <i>Tachytrechus</i>	40.54
<i>contiguus</i> Aldrich, 1896, <i>Diaphorus</i>	40.33
<i>contractus</i> Van Duzee, 1929, <i>Chrysotus</i>	40.32
<i>convexa</i> Becker, 1922, <i>Hyptiocheta</i>	40.40
<i>corbieri</i> Parent, 1934, <i>Chrysotus</i>	40.29
<i>corculum</i> (Walker), 1849 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.5
<i>cornuta</i> (Van Duzee), 1926 (<i>Kophosoma</i>), <i>Peloropecodes</i>	40.26
<i>cornuta</i> Van Duzee, 1930, <i>Pseudargyra</i>	40.36
<i>cornutus</i> Loew, 1862, <i>Chrysotus</i>	40.29
<i>cornutus</i> Van Duzee, 1931, <i>Condyllostylus</i>	40.5
<i>coruscans</i> Parent, 1928, <i>Neurigona</i>	40.18
<i>costaericae</i> (Parent), 1928 (<i>Pachypyga</i>), <i>Peloropecodes</i>	40.26
<i>costalis</i> (Becker), 1922 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.54
<i>costalis</i> Van Duzee, 1923, <i>Pelastoneurus</i>	40.50
<i>costaricensis</i> Parent, 1934, <i>Diaphorus</i>	40.33
<i>costaricensis</i> Robinson, 1967, <i>Harmstonia</i>	40.24
<i>costaricensis</i> Robinson, 1966, <i>Symbolia</i>	40.37
<i>costaricensis</i> Robinson, 1967, <i>Telmaturgus</i>	40.46
<i>coxalis</i> (Aldrich), 1901 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.5
<i>coxalis</i> (Aldrich), 1901 (<i>Sympycnus</i>), <i>Peloropecodes</i>	40.26
<i>coxalis</i> Robinson, 1967, <i>Sympycnidelpus</i>	40.38
<i>coxalis</i> Van Duzee, 1933, <i>Paraclius</i>	40.48
<i>crassitarsis</i> Parent, 1939, <i>Chrysotus</i>	40.29
<i>crassitarsis</i> Van Duzee, 1931, <i>Condyllostylus</i>	40.8
<i>crassitibia</i> Van Duzee, 1929, <i>Oedematopus</i>	40.57
<i>crinicauda</i> Parent, 1929, <i>Condyllostylus</i>	40.5
<i>crinipes</i> Becker, 1922, <i>Sympycnus</i>	40.42
<i>crinitum</i> (Aldrich), 1904 (<i>Psilopodinus</i>), <i>Chrysosoma</i>	40.2
<i>ctenopus</i> (Enderlein), 1912 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.5
<i>cupulifera</i> (Aldrich), 1896 (<i>Xanthotricha</i>), <i>Thrypticus</i>	40.21
<i>currani</i> Van Duzee, 1931, <i>Asyndetus</i>	40.27
<i>currani</i> Van Duzee, 1931, <i>Medetera</i>	40.20
<i>currani</i> Van Duzee, 1931, <i>Sarcionus</i>	40.52
<i>currani</i> (Van Duzee), 1931 (<i>Sympycnus</i>), <i>Stolidosoma</i>	40.39



<i>curvispina</i> Van Duzes, 1929, <i>Diaphorus</i>	40.35
<i>cyaneum</i> Becker, 1922, <i>Stolidosoma</i>	40.39
<i>cylindricus</i> (Van Duzee), 1929 (<i>Psilopus</i>), <i>Condylostylus</i>	40.5
<i>cylindricus</i> Van Duzee, 1930, <i>Sympycnus</i>	40.42
<i>Cymatopus</i> Kertész, 1901	40.56
<i>Cyrtosymbolia</i> Parent, 1931	40.37
<i>Dactylomyia</i> Aldrich, 1894	40.17
<i>dampfi</i> Van Duzee, 1934, <i>Sympycnus</i>	40.42
<i>deceptivus</i> Aldrich, 1901, <i>Diaphorus</i>	40.34
<i>decora</i> Aldrich, 1902, <i>Neurigona</i>	40.18
<i>decoripes</i> Becker, 1922, <i>Condylostylus</i>	40.5
<i>decorus</i> Parent, 1931, <i>Pelastoneurus</i>	40.50
<i>deformis</i> Robinson, 1967, <i>Neoparentia</i>	40.40
<i>dentaticauda</i> Van Duzee, 1933, <i>Condylostylus</i>	40.6
<i>denticulatus</i> Van Duzee, 1931, <i>Condylostylus</i>	40.6
<i>depressus</i> (Aldrich), 1901 (<i>Psilopus</i>), <i>Condylostylus</i>	40.6
<i>depressus</i> Van Duzee, 1926, <i>Thinophilus</i>	40.58
<i>derelicta</i> Parent, 1928, <i>Neurigona</i>	40.18
<i>despectus</i> Parent, 1939, <i>Diaphorus</i>	40.33
<i>detegendus</i> Parent, 1935, <i>Condylostylus</i>	40.6
<i>Diaphorinae</i>	40.27
<i>Diaphorus</i> Meigen, 1824	40.32
<i>diaphorus</i> Parent, 1939, <i>Chrysotus</i>	40.29
<i>dichaetus</i> Parent, 1932, <i>Sympycnus</i>	40.43
<i>dichromatus</i> (Bigot), 1890 (<i>Peodes</i>), <i>Chrysotimus</i>	40.24
<i>difficilis</i> Becker, 1922, <i>Paraclius</i>	40.48
<i>difficilis</i> Van Duzee, 1930, <i>Sympycnus</i>	40.43
<i>diffusus</i> (Wiedemann), 1830 (<i>Psilopus</i>), <i>Condylostylus</i>	40.6
<i>digitatus</i> (Van Duzee), 1914 (<i>Sciopus</i>), <i>Condylostylus</i>	40.6
<i>digitatus</i> Van Duzee, 1914, <i>Sciapus</i>	40.15
<i>digitulus</i> Becker, 1922, <i>Pelastoneurus</i>	40.50
<i>dilatata</i> Becker, 1922, <i>Medetera</i>	40.19
<i>diligens</i> Parent, 1931, <i>Chrysotus</i>	40.29
<i>dimidiatus</i> Aldrich, 1896, <i>Diaphorus</i>	40.33
<i>dimidiatus</i> (Loew), 1862 (<i>Psilopus</i>), <i>Sciapus</i>	40.15
<i>diminuans</i> Becker, 1922, <i>Condylostylus</i>	40.6
<i>diminuatus</i> Becker, 1922, <i>Hydrophorus</i>	40.57
<i>discifer</i> Aldrich, 1902, <i>Paraclius</i>	40.48
<i>discolor</i> (Bigot), 1890 (<i>Xiphandrium</i>), <i>Sympycnus</i>	40.43
<i>discolor</i> Loew, 1861, <i>Chrysotus</i>	40.29
<i>discolor</i> Robinson, 1965, <i>Discopygiella</i>	40.25
<i>discophorus</i> Parent, 1933, <i>Paraclius</i>	40.48
<i>Discopygiella</i> Robinson, 1965	40.25
<i>disjunctus</i> Van Duzee, 1923, <i>Asyndetus</i>	40.27
<i>distinctus</i> Van Duzee, 1931, <i>Condylostylus</i>	40.6
<i>distinguendus</i> Parent, 1928, <i>Diaphorus</i>	40.33
<i>divergens</i> Parent, 1939, <i>Diaphorus</i>	40.33
<i>diversifemur</i> Parent, 1935, <i>Condylostylus</i>	40.4
<i>diversipes</i> Becker, 1922, <i>Condylostylus</i>	40.6
<i>diversipes</i> Van Duzee, 1930, <i>Sympycnus</i>	40.43
<i>dives</i> Parent, 1929, <i>Condylostylus</i>	40.6



Dolichopodinae	40.46
Dolichopus Latreille, 1796	40.46
dolosus Parent, 1934, Sympycnus	40.43
dominulus Parent, 1932, Sympycnus	40.43
dorsalis (Loew), 1866 (Psilopus), Sciapus	40.15
dorsalis (Van Duzee), 1930 (Anepsiomyia), Chrysotimus	40.25
dorsalis Van Duzee, 1923, Pelastoneurus	40.50
dubiosus Philippi, 1865 (Dolichopus)	40.58
dubius Aldrich, 1896, Diaphorus	40.33
dux (Wiedemann), 1830 (Psilopus), Condyllostylus	40.6
dyeri Van Duzee, 1931, Diaphorus	40.33
edwardsae (Van Duzee), 1930, (Achalculus), Enlinia	40.23
edwardsi Van Duzee, 1930, Chrysotus	40.29
edwardsi Van Duzee, 1930, Diaphorus	40.33
edwardsi Van Duzee, 1931, Paraclius	40.48
edwardsi Van Duzee, 1930, Syntormon	40.45
edwardsi Van Duzee, 1931, Thrypticus	40.21
elangeli Becker, 1919, Sympycnus	40.43
electus (Walker), 1852 (Psilopus), Condyllostylus	40.6
elegans Parent, 1932, Sympycnus	40.43
elegantulus Becker, 1922, Condyllostylus	40.6
elevatus Becker, 1922, Hydrophorus	40.57
elongatus Van Duzee, 1930, Paraclius	40.48
Enlinia Aldrich, 1933	40.23
Enliniinae	40.23
eques (Loew), 1864 (Eutarsus), Stolidosoma	40.39
eques Parent, 1931, Chrysotus	40.29
equestris (Fabricius), 1775 (Musca), Condyllostylus	40.6
erectus Becker, 1922, Condyllostylus	40.6
erraneus Becker, 1922, Sympycnus	40.43
errans Parent, 1931, Chrysotus	40.29
excavata Becker, 1922, Medetera	40.19
excavatus Van Duzee, 1924, Chrysotus	40.32
exceptus Becker, 1922, Chrysotus	40.29
excipiens Becker, 1922, Medetera	40.19
excisicornis (Parent), 1930 (Paraclius), Tachytrechus	40.54
excisus Aldrich, 1896, Chrysotus	40.29
exemtus (Walker), 1852 (Psilopus), Condyllostylus	40.6
exiguus Aldrich, 1902, Medetera	40.19
exiguus Van Duzee, 1927, Asyndetus	40.27
exiguus (Van Duzee), 1933 (Kophosoma), Peloropeodes	40.26
exilis (Philippi), 1865 (Dolichopus), Chrysotimus	40.24
eximius Van Duzee, 1931, Paraclius	40.48
exquisitus (Walker), 1852 (Psilopus), Condyllostylus	40.6
exsul (Parent), 1932 (Sciopus), Chrysosoma	40.2
exunguis Thomson, 1869, Diaphorus	40.34
facetus Parent, 1933, Condyllostylus	40.6
facialis (Becker), 1922 (Paraclius), Tachytrechus	40.54
falco (Aldrich), 1896 (Sympycnus), Peloropeodes	40.26
fasciatus Roeder, 1885, Pelastoneurus	40.50
fascinator Parent, 1933, Condyllostylus	40.6



fastuosus Parent, 1933, Condylostylus	40.6
felix Becker, 1922, Condylostylus	40.6
femoralis (Becker), 1922 (Achradocera), Chrysotus	40.32
femoralis (Becker), 1922 (Paraclius), Tachytrechus	40.54
femoratus Aldrich, 1901, Paraclius	40.48
femoratus Bigot, 1890, Chrysotus	40.32
femoratus Walker, 1852, Diaphorus	40.33
fenestrella Parent, 1933, Condylostylus	40.6
fernandezensis Harmston, 1955, Sympycnus	40.43
Filatopus Miller, 1945	40.40
filifer Aldrich, 1896, Paraclius	40.48
filiformis Becker, 1922, Condylostylus	40.6
filiformis Van Duzee, 1929, Sympycnus	40.43
filipenicillatus (Enderlein), 1912 (Psilopus), Condylostylus	40.7
fimbriatus Parent, 1928, Condylostylus	40.7
fimbriatus Parent, 1932, Sympycnus	40.43
flabellifera Becker, 1922, Medetera	40.19
flagellatus Becker, 1922, Condylostylus	40.7
flagellatus (Harmston), 1952 (Hercostomus), Paraclius	40.48
flagellipodex Becker, 1922, Condylostylus	40.7
flaviannulatus (Van Duzee), 1929 (Psilopus), Sciapus	40.15
flavicauda Van Duzee, 1931, Paraclius	40.48
flavicauda (Van Duzee), 1931 (Sympycnus), Stolidosoma	40.39
flaviciliatus Van Duzee, 1931, Sympycnus	40.43
flavicornis (Aldrich), 1896 (Gnamptopsilopus), Sciapus	40.15
flavicornis Becker, 1922, Medetera	40.19
flavicornis Van Duzee, 1933, Thrypticus	40.21
flavicoxa (Aldrich), 1901 (Psicolopus), Condylostylus	40.7
flavicoxa Aldrich, 1901, Sarcionus	40.52
flavidum Robinson, 1967, Stolidosoma	40.39
flavidus (Aldrich), 1896 (Gnamptopsilopus), Sciapus	40.15
flavifrons Philippi, 1865 (Dolichopus)	40.58
flavilamellatus Becker, 1922, Condylostylus	40.7
flavimaculata Van Duzee, 1929, Chrysotus	40.29
flavimanus (Macquart), 1842 (Psilopus), Condylostylus	40.7
flavimanus Van Duzee, 1934, Hercostomus	40.46
flavipalpis Van Duzee, 1930, Chrysotus	40.29
flavipes Aldrich, 1896, Diaphorus	40.33
flavipes (Aldrich), 1901 (Hercostomus), Paraclius	40.48
flavipes Schiner, 1868, Pelastoneurus	40.50
flavipes Van Duzee, 1919, Medetera	40.19
flaviseta Van Duzee, 1929, Medetera	40.19
flavitaris Van Duzee, 1930, Medetera	40.19
flavitibialis Van Duzee, 1929, Asyndetus	40.27
flavizonatus Parent, 1954, Condylostylus	40.7
flavohirtus, error, Chrysotus	40.29
flavus (Aldrich), 1896 (Chrysotus), Xanthina	40.23
floridanus Wheeler, 1899, Pelastoneurus	40.50
floridus Parent, 1939, Condylostylus	40.7
forcipatus (Aldrich), 1901 (Psilopus), Condylostylus	40.7
formosum Parent, 1934, Chrysosoma	40.2
formosus (Parent), 1931 (Paraclius), Tachytrechus	40.54
fratellus Aldrich, 1896, Asyndetus	40.27
fratellus (Becker), 1922 (Lyroneurus), Diaphorus	40.35
frater (Aldrich), 1902 (Sympycnus), Peloroepodes	40.26



<i>fraterculus</i> (Enderlein), 1912 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.7
<i>fraterculus</i> (Wheeler), 1890 (<i>Aphantotimus</i>), <i>Thrypticus</i>	40.21
<i>frontalis</i> (Van Duzee), 1929 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.54
<i>fulvosetosus</i> Parent, 1929, <i>Micromorphus</i>	40.25
<i>fumipennis</i> (Van Duzee), 1924 (<i>Paraphrosylus</i>), <i>Aphrosylus</i>	40.56
<i>funebri</i> Parent, 1929, <i>Mesorhaga</i>	40.14
<i>furcatus</i> (Van Duzee), 1929 (<i>Nothosympycnus</i>), <i>Calyxochaetus</i> ...	40.39
<i>furcillatus</i> Parent, 1928, <i>Condyllostylus</i>	40.7
<i>fuscicornis</i> (Aldrich), 1902 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.54
<i>fuscipennis</i> Van Duzee, 1934, <i>Condyllostylus</i>	40.7
<i>fuscipennis</i> Van Duzee, 1929, <i>Pelastoneurus</i>	40.50
<i>fuscipennis</i> Van Duzee, 1930, <i>Pseudargyra</i>	40.36
<i>fuscipennis</i> Van Duzee, 1930, <i>Sympycnus</i>	40.43
<i>fuscipennis</i> (Van Duzee), 1931 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.54
<i>fuscipes</i> (Van Duzee), 1926 (<i>Kophosoma</i>), <i>Peloroepodes</i>	40.26
<i>fuscitarsis</i> Van Duzee, 1932, <i>Pelastoneurus</i>	40.50
<i>fusciventris</i> Van Duzee, 1930, <i>Sympycnus</i>	40.43
<i>fusiformis</i> (Becker), 1922 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.54
<i>geminus</i> Becker, 1922, <i>Asyndetus</i>	40.27
<i>geniculatus</i> Parent, 1932, <i>Sympycnus</i>	40.43
<i>genitale</i> (Parent), 1931 (<i>Kophosoma</i>), <i>Peloroepodes</i>	40.26
<i>genualis</i> (Aldrich), 1901 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.7
<i>genualis</i> Loew, 1861, <i>Liancalus</i>	40.57
<i>giganteus</i> Parent, 1931, <i>Chrysotus</i>	40.29
<i>gilvipes</i> (Enderlein), 1912 (<i>Psilopus</i>), <i>Sciapus</i>	40.15
<i>globulitarsis</i> Becker, 1922, <i>Sympycnus</i>	40.43
<i>Gnamptopsilopus</i> Aldrich, 1893	40.14
<i>goetghebueri</i> Parent, 1929, <i>Condyllostylus</i>	40.3
<i>Gongrophora</i> Philippi, 1875	40.53
<i>Gonioneurum</i> Becker, 1922	40.46
<i>gorgonensis</i> Parent, 1933, <i>Condyllostylus</i>	40.7
<i>gracilis</i> (Aldrich), 1904 (<i>Psilopodinus</i>), <i>Condyllostylus</i>	40.7
<i>gracilis</i> Parent, 1934, <i>Sympycnus</i>	40.43
<i>graenicheri</i> (Van Duzee), 1927 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.7
<i>grandicornis</i> Parent, 1930, <i>Chrysotus</i>	40.29
<i>grandicornis</i> Van Duzee, 1930, <i>Sympycnus</i>	40.43
<i>gratiosus</i> Becker, 1922, <i>Sciapus</i>	40.15
<i>griseicollis</i> Becker, 1922 (? <i>Subsympycnus</i>), <i>Sympycnus</i>	40.45
<i>griseoprasius</i> , error, <i>Condyllostylus</i>	40.5
<i>grossicauda</i> Van Duzee, 1931, <i>Neurigona</i>	40.18
<i>guianica</i> Curran, 1925, <i>Tachytrechus</i>	40.54
<i>guttipennis</i> (Rondani), 1848 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.12
<i>guttula</i> (Wiedemann), 1830 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.7
<i>guyanensis</i> (Macquart), 1842 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.7
<i>guyanensis</i> Parent, 1934, <i>Chrysotus</i>	40.29
<i>Gymnoceromyia</i> Bigot, 1890	40.41
<i>haereticus</i> (Walker), 1860 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.7
<i>hamatus</i> Aldrich, 1901, <i>Pelastoneurus</i>	40.50
<i>hamatus</i> Becker, 1922, <i>Sympycnus</i>	40.43
<i>hamatus</i> Parent, 1931, <i>Diaphorus</i>	40.33
<i>hamiformis</i> Becker, 1922, <i>Condyllostylus</i>	47.7
<i>Hammobates</i> , error or emend.	40.52



Harmstonia Robinson, 1964	40.24
hastatus (Van Duzee), 1930 (Sympycnus), Calychochaeta	40.40
hebes Van Duzee, 1923, Paraclius	40.48
Hercostomus Loew, 1857	40.46
hexachaeta Robinson, 1967, Stolidosoma	40.39
heydeni Wiedemann, 1830 (Dolichopus)	40.58
hirsutus Aldrich, 1896, Chrysotus	40.29
hirsutus Becker, 1922, Condyllostylus	40.7
hirticauda Robinson, 1966, Symbolia	40.37
hirtipes (Aldrich), 1901 (Psilopus), Condyllostylus	40.7
hirtulus (Bigot), 1888 (Psilopodinus), Condyllostylus	40.8
hirtus Parent, 1931, Chrysotus	40.29
horticola Philippi, 1865 (Dolichopus)	40.58
humeralis (Aldrich), 1901 (Paraclius), Tachytrechus	40.54
humilis Parent, 1928, Chrysotus	40.30
Hydrophorinae	40.56
Hydrophorus Fallén, 1823	40.56
Hyptiocheta Becker, 1922	40.40
ignobilis Becker, 1922, Condyllostylus	40.8
ignoratus Becker, 1922, Condyllostylus	40.8
ignotus Becker, 1922, Condyllostylus	40.8
imitator Becker, 1922, Chrysotus	40.30
impatiens Becker, 1922, Condyllostylus	40.8
imperator (Aldrich), 1904 (Psilopodinus), Condyllostylus	40.8
imperfectus Van Duzee, 1929, Sympycnus	40.42
imperialis (Fabricius), 1805 (Dolichopus), Condyllostylus	40.8
inaequalis (Van Duzee), 1927 (Psilopus), Sciapus	40.15
incisuralis (Macquart), 1846 (Psilopus), Condyllostylus	40.8
incisus Parent, 1928, Chrysotus	40.30
inficitus (Walker), 1849 (Psilopus), Condyllostylus	40.10
infumatus (Aldrich), 1901 (Gnamptopsilopus), Sciapus	40.15
infuscatus Bigot, 1890, Hydrophorus	40.57
inglorius Parent, 1933, Diaphorus	40.33
inoxius Parent, 1934, Sciapus	40.15
inopinatum Parent, 1933, Chrysosoma	40.2
inornatum Robinson, 1967, Stolidosoma	40.39
inornatus (Aldrich), 1901 (Psilopus), Condyllostylus	40.8
inornatus Becker, 1919, Parasyntormon	40.41
inornatus Philippi, 1865 (Dolichopus)	40.58
insignatus Parent, 1929, Condyllostylus	40.8
insignis (Parent), 1933 (Achradocera), Chrysotus	40.32
insolens Van Duzee, 1930, Sympycnus	40.43
insulans Van Duzee, 1930, Diaphorus	40.33
insulanus Van Duzee, 1923, Pelastoneurus	40.50
insulanus Van Duzee, 1933, Thrypticus	40.21
insularis (Aldrich), 1896 (Psilopus), Condyllostylus	40.8
integer Becker, 1922, Sympycnus	40.43
interceptus (Aldrich), 1901 (Psilopus), Condyllostylus	40.8
intermedius Becker, 1922, Sympycnus	40.43
intermedius Becker, 1922, Tachytrechus	40.54
intermedius Van Duzee, 1931, Sarcionus	40.52
interruptus (Loew), 1861 (Diaphorus), Asyndetus	40.27



Ionthadophrys Van Duzee, 1930	40.36
irrasus (Walker), 1849 (Dolichopus), Pelastoneurus	40.50
jamaicensis Curran, 1928, Medetera	40.19
jucunda Becker, 1922, Mesorhaga	40.14
jucundus (Loew), 1861 (Psilopus), Condylostylus	40.8
keiferi Van Duzee, 1927, Paraclius	40.48
Keirosoma Van Duzee, 1929	40.36
Kophosoma Van Duzee, 1926	40.26
kovasci Parent, 1933, Paraclius	40.48
kuscheli Harmston, 1955, Hydrophorus	40.57
laciniatus Becker, 1919, Chrysotus	40.30
lacrymans Parent, 1928, Mesorhaga	40.14
laeta Becker, 1922, Mesorhaga	40.14
laetus Becker, 1922, Condylostylus	40.8
laetus (Becker), 1922 (Lyroneurus), Diaphorus	40.35
laevigatum (Becker), 1922 (Psilischium), Tachytrechus	40.54
laevis Becker, 1922, Paraclius	40.48
lamellata Robinson, 1964, Microcyrtura	40.20
lamellicornis Parent, 1930, Calychochaetus	40.40
laminatus Becker, 1922, Chrysotus	40.30
lamprostethus (Philippi), 1865 (Dolichopus), Neurigona	40.18
latiapicatum Van Duzee, 1933, Chrysosoma	40.2
laticornis Becker, 1922, Hydrophorus	40.57
latifacies (Becker), 1922 (Paraclius), Tachytrechus	40.54
latifacies Robinson, 1966, Symbolia	40.37
latifacies Van Duze, 1933, Chrysotus	40.30
latifacies (Van Duzee), 1934 (Condylostylus), Sciapus	40.15
latimanus Van Duzee, 1931, Condylostylus	40.8
latipes (Aldrich), 1896 (Hercostomus), Tachytrechus	40.54
latipes (Parent), 1930 (Sympycnus), Pseudosympycnus	40.38
latitarsis Becker, 1922, Tachytrechus	40.54
latitarsis (Parent), 1929 (Polymedon), Tachytrechus	40.55
latitibius (Van Duzee), 1929 (Paraclius), Tachytrechus	40.54
lavatus Parent, 1930, Condylostylus	40.8
Laxina Curran, 1934	40.3
lectus Becker, 1922, Sciapus	40.15
lepidopus Frey, 1928, Condylostylus	40.8
lepidus (Walker), 1852 (Psilopus), Condylostylus	40.8
leprieuri (Macquart), 1842 (Psilopus), Condylostylus	40.8
Leptocorypha Aldrich, 1896	40.47
Leptorhethum Aldrich, 1893	40.13
leucopilus (Loew), 1857 (Gymnopternus), Paraclius	40.48
leucostoma Loew, 1861, Diaphorus	40.33
Liancalus Loew, 1857	40.57
liber Parent, 1932, Sympycnus	40.43
libidinosus Parent, 1933, Condylostylus	40.8
lindneri Parent, 1933, Tachytrechus	40.54
linearis (Aldrich), 1896 (Anepsius), Symbolia	40.37
lineatus (Aldrich), 1896 (Pelastoneurus), Sarcionus	40.52



<i>lithophilus</i> Robinson, 1967, <i>Micromorphus</i>	40.25
<i>litorea</i> Robinson, 1964, <i>Nanomyia</i>	40.26
<i>lobatus</i> Van Duzee, 1930, <i>Sympycnus</i>	40.44
<i>loewi</i> (Aldrich), 1901 (<i>Eutarsus</i>), <i>Symbolia</i>	40.37
<i>loewi</i> Parent, 1930, <i>Calyxochaetus</i>	40.40
<i>longiciliatus</i> (Van Duzee), 1931 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.54
<i>longicornis</i> (Fabricius), 1775 (<i>Musca</i>), <i>Megistostylus</i>	40.14
<i>longicornis</i> Van Duzee, 1930, <i>Achalculus</i>	40.23
<i>longicornis</i> Van Duzee, 1931, <i>Paraclius</i>	40.48
<i>longifacies</i> (Becker), 1922 (<i>Polymedon</i>), <i>Tachytrechus</i>	40.54
<i>longihirta</i> (Van Duzee), 1930 (<i>Sympycnus</i>), <i>Symbolia</i>	40.37
<i>longihirtus</i> Van Duzee, 1930, <i>Ionthadophrys</i>	40.36
<i>longilamellatus</i> Parent, 1931, <i>Notobothrus</i>	40.18
<i>longilamellatus</i> Parent, 1929, <i>Pelastoneurus</i>	40.51
<i>longimanus</i> Loew, 1861, <i>Chrysotus</i>	40.30
<i>longinervis</i> Van Duzee, 1931, <i>Diaphorus</i>	40.33
<i>longipalpis</i> Van Duzee, 1919, <i>Asyndetus</i>	40.27
<i>longipalpus</i> Aldrich, 1896, <i>Chrysotus</i>	40.30
<i>longipennis</i> (Van Duzee), 1929 (<i>Psilopus</i>), <i>Condylostylus</i>	40.8
<i>longipes</i> Philippi, 1865 (<i>Dolichopus</i>)	40.58
<i>longipes</i> (Van Duzee), 1927 (<i>Chrysotus</i>), <i>Diaphorus</i>	40.34
<i>longipes</i> (Van Duzee), 1929 (<i>Psilopus</i>), <i>Sciapus</i>	40.15
<i>longipes</i> Van Duzee, 1929, <i>Sympycnus</i>	40.44
<i>longipilus</i> Parent, 1929, <i>Condylostylus</i>	40.8
<i>longiseta</i> (Coquillett), 1902 (<i>Sciopus</i>), <i>Condylostylus</i>	40.9
<i>longiseta</i> (Parent), 1933 (<i>Achradocera</i>), <i>Chrysotus</i>	40.32
<i>longisetosus</i> (Wulp), 1882 (<i>Psilopus</i>), <i>Megistostylus</i>	40.14
<i>longiventris</i> Van Duzee, 1931, <i>Chrysotus</i>	40.30
<i>longiventris</i> Van Duzee, 1926, <i>Thinophilus</i>	40.58
<i>lorifer</i> Parent, 1931, <i>Pelastoneurus</i>	40.50
<i>loriferum</i> Parent, 1934, <i>Chrysosoma</i>	40.2
<i>loripes</i> , error, <i>Chrysosoma</i>	40.2
<i>lucidum</i> Becker, 1922, <i>Stolidosoma</i>	40.39
<i>luctuosus</i> (Bigot), 1888 (<i>Chrysotus</i>), <i>Sympycnus</i>	40.44
<i>lugubris</i> Loew, 1861, <i>Pelastoneurus</i>	40.50
<i>lugubris</i> Parent, 1934, <i>Symbolia</i>	40.37
<i>lunator</i> Curran, 1925, <i>Condylostylus</i>	40.9
<i>luteicinctus</i> Parent, 1930, <i>Condylostylus</i>	40.9
<i>luteifacies</i> Parent, 1934, <i>Pelastoneurus</i>	40.51
<i>luteifacies</i> (Parent), 1928 (<i>Polymedon</i>), <i>Tachytrechus</i>	40.54
<i>luteipalpus</i> Parent, 1929, <i>Diaphorus</i>	40.33
<i>luteoviridis</i> (Parent), 1935 (<i>Lyroneurus</i>), <i>Diaphorus</i>	40.35
<i>lutzi</i> Freitas & Lopes, 1941, <i>Condylostylus</i>	40.9
<i>Lyroneurus</i> Loew, 1857	40.35
<i>Macellocerus</i> Mik, 1878	40.53
<i>macula</i> (Wiedemann), 1830 (<i>Psilopus</i>), <i>Sciapus</i>	40.15
<i>maculata</i> Robinson, 1966, <i>Symbolia</i>	40.37
<i>maculatus</i> Parent, 1934, <i>Diaphorus</i>	40.34
<i>maculatus</i> (Parent), 1930 (<i>Lyroneurus</i>), <i>Diaphorus</i>	40.35
<i>maculatus</i> Van Duzee 1926, <i>Sarcionus</i>	40.52
<i>maculipennis</i> Robinson, <i>Diaphorus</i> , nom. nov.	40.34
<i>maculipennis</i> Van Duzee, 1929, <i>Neurigona</i>	40.18
<i>maculipennis</i> Van Duzee, 1934, <i>Sarcionus</i>	40.52
<i>maculitibia</i> Van Duzee, 1929, <i>Pelastoneurus</i>	40.51

magellanicus Robinson, Sympycnus, nom. nov.	40.44
<i>magnicornis</i> Parent, 1928, Chrysotus	40.29
magnicornis (Van Duzee), 1930 (Sympycnus), Pseudargyra	40.36
magnipalpis Van Duzee, 1930, Diaphorus	40.34
magnipalpus Van Duzee, 1927, Chrysotus	40.30
magnus Van Duzee, 1930, Sympycnus	40.44
marginalis (Becker), 1922 (Lyroneurus), Diaphorus	40.36
maritimus Van Duzee, 1923, Paraclius	40.48
Medetera Fischer von Waldheim, 1819	40.18
Medeterinae	40.18
<i>Medeterus</i> , error or emend.	40.18
medianus (Becker), 1922 (Condylostylus), Sciapus	40.15
medinae (Philippi), 1875 (Gongrophora), Tachytrechus	40.55
mediotinctus Becker, 1922, Diaphorus	40.34
medius Parent, 1932, Sympycnus	40.44
megalopyga Robinson, 1967, Harmstonia	40.24
Megistostylus Bigot, 1859	40.13
<i>Megystostylus</i> , error	40.14
<i>Megystotylus</i> , error	40.14
melampus (Loew), 1862 (Psilopus), Condylostylus	40.9
melanocheirus Van Duzee, 1930, Tachytrechus	40.55
melini Frey, 1928, Neurigona	40.18
mensor (Van Duzee), 1929 (Psilopus), Condylostylus	40.9
meridionalis (Becker), 1922 (Achradocera), Chrysotus	40.32
Mesorhaga Schiner, 1868	40.14
metallica Becker, 1922, Medetera	40.19
metallicus Parent, 1934, Chrysotimus	40.25
metatarsalis Robinson, 1966, Calychochaetus	40.40
metatarsalis Robinson, 1964, Microcyrtura	40.20
metatarsatus Becker, 1922, Chrysotus	40.30
mexicana Robinson, 1966, Symbolia	40.37
mexicanus (Aldrich), 1901 (Gnamtopsilon), Sciapus	40.16
mexicanus (Bigot), 1888 (Poecilobothrus), Pelastoneurus	40.51
mexicanus Robinson, 1967, Chrysotus	40.30
mexicanus Van Duzee, 1926, Thinophilus	40.58
micidus Parent, 1937, ?Micromorphus	40.25
Microchrysotus Robinson, 1964	40.20
Microcyrtura Robinson, 1964	40.20
microgamum (Parent), 1928 (Sympycnus), Stolidosoma	40.39
Micromorphus Mik, 1878	40.25
micropygus Parent, 1931, Paraclius	40.48
minor (Aldrich), 1896 (Xanthotricha), Thrypticus	40.21
minor Becker, 1922, Medetera	40.19
minor Parent, 1931, Chrysotus	40.30
minuticornis Van Duzee, 1927, Chrysotus	40.30
minutus Parent, 1932, Sympycnus	40.44
minutus Parent, 1929, Thrypticus	40.21
mirabilis Robinson, 1964, Microchrysotus	40.20
mirandus Van Duzee, 1927, Chrysotus	40.30
mireciliatum (Parent), 1928 (Condylostylus), Chrysosoma	40.24
miricornis Parent, 1932, Sympycnus	40.44
miripalpus Parent, 1928, Chrysotus	40.30
miripennis Parent, 1931, Condylostylus	40.9
miripes Parent, 1933, Condylostylus	40.9

<i>nitritibia</i> Parent, 1933, <i>Chrysotus</i>	40.28
<i>mirus</i> Parent, 1931, <i>Condyllostylus</i>	40.9
<i>mixtus</i> Parent, 1934, <i>Paraclius</i>	40.48
<i>modestus</i> Parent, 1928, <i>Chrysotus</i>	40.30
<i>modestus</i> Parent, 1934, <i>Paraclius</i>	40.48
<i>moniliventris</i> Parent, 1934, <i>Condyllostylus</i>	40.9
<i>monticolus</i> Becker, 1919, <i>Sympycnus</i>	40.44
<i>morrisoni</i> Van Duzee, 1924, <i>Chrysotus</i>	40.30
<i>mundus</i> Loew, 1861, <i>Diaphorus</i>	40.34
<i>mundus</i> (Wiedemann), 1830 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.9
<i>myosotus</i> Osten Sacken, 1887, <i>Dolichopus</i>	40.46
<i>Nanomyia</i> Robinson, 1964	40.26
<i>nanus</i> Parent, 1928, <i>Chrysotus</i>	40.30
<i>Nematopus</i> Parent, 1933	40.40
<i>memoralis</i> (Philippi), 1865 (<i>Dolichopus</i>) <i>Sympycnus</i>	40.44
<i>Neoparentia</i> Robinson, 1967	40.40
<i>Neosyntormon</i> Curran, 1934	40.41
<i>Neotonnoiria</i> Robinson, nom. nov.	40.17
<i>neotropicus</i> Parent 1928, <i>Diaphorus</i>	40.34
<i>nervosus</i> Becker, 1922, <i>Hydrophorus</i>	40.57
<i>Neurigona</i> Rondani, 1856	40.17
<i>Neurigoninae</i>	40.16
<i>niger</i> Aldrich, 1896, <i>Chrysotus</i>	40.30
<i>nigrescens</i> Aldrich, 1901, <i>Diaphorus</i>	40.34
<i>nigricans</i> Meigen, 1824, <i>Diaphorus</i>	40.34
<i>nigriciliatus</i> Becker, 1922, <i>Sympycnus</i>	40.44
<i>nigricornis</i> (Van Duzee), 1929 (<i>Polymedon</i>), <i>Tachytrechus</i>	40.55
<i>nigricoxa</i> Becker, 1922, <i>Sympycnus</i>	40.44
<i>nigrifacies</i> Van Duzee, 1923, <i>Pelastoneurus</i>	40.51
<i>nigrihalteralis</i> Van Duzee, 1931, <i>Diaphorus</i>	40.34
<i>nigrimanus</i> Van Duzee, 1931, <i>Medetera</i>	40.19
<i>nigrimanus</i> Van Duzee, 1914, <i>Sciapus</i>	40.16
<i>nigripalpis</i> (Van Duzee), 1930 (<i>Sympycnus</i>), <i>Filatopus</i>	40.40
<i>nigripennis</i> Van Duzee, 1932, <i>Diaphorus</i>	40.34
<i>nigripennis</i> (Van Duzee) 1931 (<i>Eutarsus</i>), <i>Symbolia</i>	40.37
<i>nigripes</i> (Aldrich), 1902 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.55
<i>nigripes</i> (Macquart), 1842 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.9
<i>nigriseta</i> Van Duzee, 1931, <i>Thrypticus</i>	40.21
<i>nigritibia</i> Parent, 1934, <i>Pelastoneurus</i>	40.51
<i>nigritibia</i> Van Duzee, 1932, <i>Condyllostylus</i>	40.9
<i>nigromaculata</i> Van Duzee, 1931, <i>Xanthina</i>	40.23
<i>nigroterminalis</i> Van Duzee, 1931, <i>Paraclius</i>	40.49
<i>nimius</i> (Aldrich), 1901 (<i>Polymedon</i>), <i>Tachytrechus</i>	40.55
<i>nitidicauda</i> (Van Duzee), 1929 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.5
<i>nitidus</i> Van Duzee, 1931, <i>Pelastoneurus</i>	40.51
<i>nobilissimum</i> (Aldrich), 1901 (<i>Psilopus</i>), <i>Chrysosoma</i>	40.2
<i>nodicornis</i> Van Duzee, 1930, <i>Pinacocerus</i>	40.41
<i>noditarsis</i> Becker, 1922, <i>Sciapus</i>	40.16
<i>notatus</i> (Van Duzee), 1929 (<i>Polymedon</i>), <i>Tachytrechus</i>	40.55
<i>Nothosympycnus</i> Wheeler, 1899	40.39
<i>Notobothrus</i> Parent, 1931	40.18
<i>nubeculum</i> Becker, 1922, <i>Stenopygium</i>	40.52
<i>nubeculus</i> Becker, 1922, <i>Condyllostylus</i>	40.9
<i>nubilipennis</i> (Van Duzee), 1927 (<i>Psilopus</i>), <i>Sciapus</i>	40.16

nubilum Van Duzee, 1930, <i>Rhaphium</i>	40.38
nudipes Becker, 1922, <i>Condylostylus</i>	40.9
oaxacensis Robinson 1964, <i>Microcyrtura</i>	40.20
obliquus Loew, 1861, <i>Chrysotus</i>	40.30
oblongus Parent, 1928, <i>Diaphorus</i>	40.34
obscura Robinson, 1967, <i>Harmstonia</i>	40.24
obscura Robinson, 1967, <i>Neoparentia</i>	40.40
obscuratus Brèthes, 1919, <i>Sympycnus</i>	40.44
obscurum Parent, 1931, <i>Stolidosoma</i>	40.39
obscurus Robinson, 1967, <i>Chrysotimus</i>	40.25
obscurus Van Duzee, 1931, <i>Paraclius</i>	40.49
obtectus Becker, 1922, <i>Tachytrechus</i>	40.55
obtusus Van Duzee, 1933, <i>Sarcionus</i>	40.52
occidentalis (Bigot), 1888 (<i>Psilopodinus</i>), <i>Condylostylus</i>	40.9
occidentalis Schiner, 1868, (<i>Medetera</i>)	40.19
occultus (Becker), 1922 (<i>Lyroneurus</i>), <i>Diaphorus</i>	40.36
ocellatus Parent, 1930, <i>Condylostylus</i>	40.9
ochracea Becker, 1922, <i>Symbolia</i>	40.37
ochreifacies Van Duzee, 1931, <i>Pelastoneurus</i>	40.51
ochrifacies Van Duzee, 1930, <i>Hydrophorus</i>	40.57
ochrifacies Van Duzee, 1924, <i>Thinophilus</i>	40.58
Oedematopus Van Duzee, 1929	40.57
oedipus Becker, 1922, <i>Condylostylus</i>	40.9
oedipus Becker, 1922, <i>Paraclius</i>	40.49
opacus Loew, 1861, <i>Diaphorus</i>	40.34
opulentus Van Duzee, 1930, <i>Paraclius</i>	40.49
orbicularis Becker, 1922, <i>Neurigona</i>	40.18
ornata Robinson, 1967, <i>Harmstonia</i>	40.24
ornaticauda Van Duzee, 1931, <i>Condylostylus</i>	40.9
ornatipes Van Duzee, 1932, <i>Mesorhaga</i>	40.14
ornatipes (Van Duzee), 1930 (<i>Kophosoma</i>), <i>Peloropeodes</i>	40.26
ornatus Parent, 1930, <i>Calyxochaetus</i>	40.40
ornatus Parent, 1931, <i>Condylostylus</i>	40.9
ovalicornis Parent, 1934, <i>Chrysotus</i>	40.30
ovata Van Duzee, 1931, (<i>Medetera</i>)	40.19
ovatus Van Duzee, 1914, <i>Paraclius</i>	40.49
<i>Pachypyga</i> Parent, 1926	40.26
pacificus Parent, 1932, <i>Sympycnus</i>	40.44
pallida Robinson, 1967, <i>Harmstonia</i>	40.24
pallidicornis Van Duzee, 1929, (<i>Medetera</i>)	40.19
pallidicornis Van Duzee, 1930, <i>Sympycnus</i>	40.44
pallidicoxa Parent, 1928, <i>Thrypticus</i>	40.22
pallidimanus Van Duzee, 1933, <i>Sympycnus</i>	40.44
pallipes Loew, 1861, <i>Chrysotus</i>	40.30
palmaticornis Parent, 1930, <i>Cheirocerus</i>	40.46
palparis Becker, 1922, <i>Chrysotus</i>	40.31
palpatus Parent, 1928, <i>Chrysotus</i>	40.31
palpiger (Van Duzee), 1931 (<i>Sympycnus</i>), <i>Pseudosympycnus</i>	40.38
pampecilus (Bigot), 1888 (<i>Psilopodinus</i>), <i>Condylostylus</i>	40.10
panamensis (Van Duzee), 1929 (<i>Psilopus</i>), <i>Condylostylus</i>	40.10



<i>panamensis</i> Van Duzee, 1931, <i>Micromorphus</i>	40.25
<i>panamensis</i> Van Duzee, 1931, <i>Hercostomus</i>	40.46
<i>panamensis</i> Van Duzee, 1929, <i>Thinophilus</i>	40.58
<i>Paracleius</i> Bigot, 1859	40.49
<i>Paraclius</i> Loew, 1864	40.47
<i>paradoxus</i> Aldrich, 1902, <i>Chrysotus</i>	40.31
<i>paraguayensis</i> Parent, 1931, <i>Paraclius</i>	40.49
<i>Paraphrosylus</i> Becker, 1922	40.56
<i>Parasyntormon</i> Wheeler, 1899	40.41
<i>parenti</i> Robinson, nom. nov., <i>Tachytrechus</i>	40.55
<i>partitus</i> (Van Duzee), 1929 (<i>Polymedon</i>), <i>Tachytrechus</i>	40.55
<i>parvicauda</i> (Van Duzee), 1929 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.55
<i>parvipalpus</i> Van Duzee, 1931, <i>Chrysotus</i>	40.31
<i>parvulus</i> Aldrich, 1896, <i>Diaphorus</i>	40.34
<i>parvulus</i> Parent, 1930, <i>Paraclius</i>	40.49
<i>parvulus</i> Van Duzee, 1930, <i>Sympycnus</i>	40.44
<i>parvulus</i> Van Duzee, 1930, <i>Thrypticus</i>	40.22
<i>parvus</i> Van Duzee, 1933, <i>Sciapus</i>	40.16
<i>patagonicus</i> Van Duzee, 1931, <i>Hydrophorus</i>	40.57
<i>patellatus</i> Parent, 1928, <i>Sympycnus</i>	40.44
<i>patellifer</i> Parent, 1934, <i>Calyxochaetus</i>	40.40
<i>patellitarsis</i> Becker, 1922, <i>Condyllostylus</i>	40.10
<i>patellitarsis</i> Becker, 1922, <i>Sympycnus</i>	40.44
<i>patibulatus</i> (Say), 1823 (<i>Dolichopus</i>), <i>Condyllostylus</i>	40.10
<i>paulseni</i> Philippi, 1865, <i>Rhaphium</i>	40.38
<i>pauper</i> Parent, 1932, <i>Sympycnus</i>	40.44
<i>pauperculus</i> Parent, 1935, <i>Diaphorus</i>	40.34
<i>pectinator</i> Parent, 1930, <i>Condyllostylus</i>	40.10
<i>pectinatus</i> Becker, 1922, <i>Condyllostylus</i>	40.10
<i>pectinatus</i> Van Duzee, 1929, <i>Pelastoneurus</i>	40.51
<i>pectinicauda</i> Robinson, 1964, <i>Harmstonia</i>	40.24
<i>pectinicauda</i> Van Duzee, 1934, <i>Sarcionus</i>	40.52
<i>pectoralis</i> Van Duzee, 1931, <i>Sciapus</i>	40.16
<i>pedestris</i> Becker, 1922, <i>Condyllostylus</i>	40.10
<i>pedestris</i> Becker, 1922, <i>Medetera</i>	40.19
<i>Pelastoneurus</i> Loew, 1861	40.49
<i>Peloropecodes</i> Wheeler, 1890	40.26
<i>Peloropecodinae</i>	40.24
<i>penicillatus</i> Van Duzee, 1931, <i>Thrypticus</i>	40.22
<i>penicilliger</i> (Enderlein), 1912 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.10
<i>pennaticornis</i> Parent, 1931, <i>Cheirocerus</i>	40.46
<i>pennatus</i> Parent, 1929, <i>Condyllostylus</i>	40.10
<i>pennatus</i> Van Duzee, 1930, <i>Sympycnus</i>	40.44
<i>pennifer</i> (Aldrich), 1901 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.10
<i>peractus</i> (Walker), 1860 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.10
<i>peregrinus</i> Parent, 1931, <i>Chrysotus</i>	40.31
<i>permodicus</i> (Walker), 1860 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.10
<i>permutans</i> Becker, 1922, <i>Stolidosoma</i>	40.39
<i>perornatus</i> Robinson, 1967, <i>Pseudosympycnus</i>	40.38
<i>perplexum</i> Parent, 1933, <i>Chrysosoma</i>	40.2
<i>perplexus</i> (Parent), 1931 (<i>Macellocerus</i>), <i>Tachytrechus</i>	40.55
<i>perplexus</i> Van Duzee, 1929, <i>Diaphorus</i>	40.36
<i>perspicuus</i> Becker, 1922, <i>Condyllostylus</i>	40.10
<i>peruanus</i> Becker, 1922, <i>Paraclius</i>	40.49



petulans Parent, 1939, <i>Hercostomus</i>	40.46
<i>Phylarchus</i> Aldrich, 1901	40.52
picticornis Loew, 1862, <i>Chrysotus</i>	40.31
picticornis Van Duzee, 1930 <i>Sympycnus</i>	40.44
pictipes Becker, 1922, <i>Chrysotus</i>	40.31
pictipes Becker, 1922, <i>Paraclius</i>	40.49
<i>pilicornis</i> (Aldrich), 1904 (<i>Psilopodinus</i>), <i>Condylostylus</i>	40.9
pilipes (Macquart), 1842 (<i>Psilopus</i>), <i>Condylostylus</i>	40.10
pilitarsis Becker, 1922, <i>Sympycnus</i>	40.45
pilosus (Loew), 1861 (<i>Psilopus</i>), <i>Condylostylus</i>	40.10
Pinacocerus Van Duzee, 1930	40.41
Plagioneurinae	40.38
Plagioneurus Loew, 1857	40.38
planipes Van Duzee, 1919, <i>Medetera</i>	40.19
planipes (Van Duzee), 1929 (<i>Psilopus</i>), <i>Sciapus</i>	40.16
planipes Van Duzee, 1931, <i>Sympycnus</i>	40.45
platychirus Parent, 1932, <i>Sympycnus</i>	40.45
platypus Becker, 1922, <i>Sympycnus</i>	40.45
platypus Parent, 1931, <i>Tachytrechus</i>	40.55
plebeia Parent, 1928, <i>Medetera</i>	40.19
plebeius Parent, 1930, <i>Micromorphus</i>	40.25
plumicauda Aldrich, 1902, <i>Xanthina</i>	40.23
plumicauda Van Duzee, 1931, <i>Pelastoneurus</i>	40.51
plumicornis Van Duzee, 1931, <i>Paraclius</i>	40.49
plumipes (Scopoli), 1763 (<i>Musca</i>), <i>Dolichopus</i>	40.46
plumitarsis Parent, 1933, <i>Condylostylus</i>	40.10
plumitarsis Parent, 1931, <i>Hercostomus</i>	40.47
plumosa Parent, 1931, <i>Medetera</i>	40.19
plumosus Parent, 1934, <i>Pelastoneurus</i>	40.51
plutus Parent, 1929, <i>Condylostylus</i>	40.10
pollinosa Van Duzee, 1929, <i>Medetera</i>	40.20
pollinosus Van Duzee, 1930, <i>Sympycnus</i>	40.45
poliogaster (Philippi), 1865 (<i>Hydatostega</i>), <i>Hydrophorus</i>	40.57
polychromus (Bigot), 1890 (<i>Psilopodinus</i>), <i>Condylostylus</i>	40.10
<i>Polymedon</i> Osten Sacken, 1877	40.53
<i>Porphyrops</i> , authors	40.38
<i>Porphyrops</i> Meigen, 1824	40.27
portoricensis (Macquart), 1834 (<i>Psilopus</i>), <i>Condylostylus</i>	40.10
posticatus (Wiedemann), 1830 (<i>Psilopus</i>), <i>Condylostylus</i>	40.10
potens (Parent), 1934 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.55
praecox (Lehman), 1822 (<i>Dolichopus</i>), <i>Hydrophorus</i>	40.57
praestans (Aldrich), 1901 (<i>Psilopus</i>), <i>Condylostylus</i>	40.10
praestans (Parent), 1931 (<i>Lyroneurus</i>), <i>Diaphorus</i>	40.36
pressitarsis Parent, 1931, <i>Condylostylus</i>	40.10
pressitibia (Parent), 1931 (<i>Polymedon</i>), <i>Tachytrechus</i>	40.55
Proarchus Aldrich, 1910	40.52
problematicus Parent, 1930, <i>Hercostomus</i>	40.47
productipes Parent, 1934, <i>Condylostylus</i>	40.10
proletarius Parent, 1932, <i>Sympycnus</i>	40.45
propinquus Becker, 1922, <i>Diaphorus</i>	40.34
<i>propinquus</i> Parent, 1929, <i>Condylostylus</i>	40.8
propinquus Parent, 1932, <i>Sympycnus</i>	40.45
propinquus Wheeler, 1899, <i>Paraclius</i>	40.49
proximus Aldrich, 1896, <i>Chrysotus</i>	40.31
pruinifrons Parent, 1929, <i>Condylostylus</i>	40.11



pruinosis Parent, 1930, Diaphorus	40.34
Pseudargyra Van Duzee, 1930	40.36
Pseudosympycnus Robinson, 1967	40.38
Psiltschium Becker, 1922	40.53
Psilopodinae	40.2
Psilopodinus Bigot, 1888	40.14
Psilopus Meigen, 1824	40.14
psittacinus (Loew), 1861 (Psilopus), Sciapus	40.16
pteropodus Schiner, 1968, Tachytrechus	40.55
pubescens Robinson, 1967, Harmstonia	40.24
pulcher (Wiedemann), 1830 (Psilopus), Condyllostylus	40.11
pulchripes Becker, 1922, Condyllostylus	40.11
pulchritarsis Van Duzee, 1931, Condyllostylus	40.11
pumilio Loew, 1872, Paraclius	40.49
punctiger Philippi, 1865 (Dolichopus)	40.59
punctipennis (Say), 1829 (Medeterus), Pelastoneurus	40.51
punctumalbum Parent, 1929, Condyllostylus	40.11
purpuratus (Aldrich), 1901 (Psilopus), Condyllostylus	40.11
purpureus (Aldrich), 1901 (Psilopus), Condyllostylus	40.11
pusillus Aldrich, 1901, Thrypticus	40.22
pusillus (Macquart), 1846 (Dolichopus), Sarcionus	40.52
pygmaeus Parent, 1934, Chrysotus	40.31
quadratus Aldrich, 1901, Syntormon	40.45
quadricolor (Walker), 1849 (Psilopus), Condyllostylus	40.11
quadrinotatus Aldrich, 1902, Paraclius	40.49
radians (Macquart), 1834 (Psilopus), Condyllostylus	40.11
raptor Becker, 1922, Systemus	40.22
recta Robinson, 1967, Harmstonia	40.24
regularis Becker, 1922, Hydrophorus	40.57
remissus Parent, 1939, Pelastoneurus	40.51
retrociliatus Parent, 1931, Condyllostylus	40.11
rex Parent, 1929, Condyllostylus	40.11
Rhaphiinae	40.37
Rhaphium Meigen, 1803	40.37
ridiculus Parent, 1931, Asyndetus	40.27
robustus (Becker), 1922 (Paraclius), Tachytrechus	40.55
rotundicornis Van Duzee, 1931, Sarcionus	40.52
rotundicornis Van Duzee, 1931, Syntormon	40.45
rubiginosus (Van Duzee), 1929 (Polymedon), Tachytrechus	40.55
rubrocauda Van Duzee, 1931, Condyllostylus	40.11
saccicauda Parent, 1934, Condyllostylus	40.11
salti (Van Duzee), 1929 (Psilopus), Condyllostylus	40.11
Sarcionus Aldrich, 1901	40.52
Saucropus Loew, 1857	40.17
sayi (Wiedemann), 1830 (Psilopus), Sciapus	40.16
scaura Van Duzee, 1929, Medetera	40.20
schildi Robinson, 1967, Chrysotimus	40.25
schildi Robinson, 1967, Neoparentia	40.40
schildi Robinson, 1966, Symbolia	40.37
schmidt Parent, 1954, Chrysosoma	40.3

schmidtii Parent, 1928, Thrypticus	40.22
schnusei Becker, 1922, Condylostylus	40.11
Sciapodinae	40.2
Sciapus Zeller, 1842	40.14
scintillans (Loew), 1861 (Psilopus), Sciapus	40.16
Sciopus, error	40.14
scutellatus Van Duzee, 1931, Thrypticus	40.22
secundus Becker, 1922, Diaphorus	40.34
semiciliatus (Van Duzee), 1929 (Psilopus), Condylostylus	40.11
semicomatum (Van Duzee), 1929 (Psilopus), Chrysosoma	40.3
seminiger Becker, 1922, Condylostylus	40.11
semiplumatus Becker, 1922, Pelastoneurus	40.51
serenus Becker, 1922, Condylostylus	40.11
setifer Robinson, 1966, Symbolia	40.37
setitarsis Van Duzee, 1931, Condylostylus	40.11
setosa Parent, 1931, Medetera	40.20
setosa Robinson, 1965, Discopygiella	40.25
setosa Robinson, 1967, Harmstonia	40.24
setosus (Curran), 1932 (Aphrosylus), Cymatopus	40.56
setosus Robinson, 1964, Thrypticus	40.22
setosus Van Duzee, 1931, Chrysotus	40.31
setosus (Van Duzee), 1931 (Paraclius), Tachytrechus	40.55
sexsetosus Van Duzee, 1931, Condylostylus	40.11
shannoni Van Duzee, 1930, Chrysotus	40.32
shannoni Van Duzee, 1930, Oedematopus	40.57
shannoni (Van Duzee), 1930 (Polymedon), Tachytrechus	40.55
signifer Aldrich, 1896, Neurigona	40.18
similis (Aldrich), 1901 (Psilopus), Condylostylus	40.11
similis (Aldrich), 1896 (Sympycnus), Peloropeodes	40.26
simplex (Aldrich), 1896 (Lyroneurus), Diaphorus	40.36
simplex Becker, 1922, Condylostylus	40.11
simplex Robinson, 1967, Harmstonia	40.24
simplex Van Duzee, 1929, Paraclius	40.49
simulans (Van Duzee), 1929 (Psilopus), Condylostylus	40.12
singularis (Aldrich), 1896 (Xanthotricha), Thrypticus	40.22
singularis Becker, 1922, Condylostylus	40.12
singularis Parent, 1931, Chrysotus	40.31
singularis (Parent), 1934 (Sympycnus), Pseudosympycnus	40.38
singularis Van Duzee, 1923, Asyndetus	40.28
sinuata (Aldrich), 1896 (Eutarsus), Symbolia	40.37
sinuata (Parent), 1928 (Medetera), Coeloglutus	40.17
sinuatus (Macquart), 1842 (Psilopus), Condylostylus	40.12
sinuosa (Parent), 1931 (Cyrtosymbolia), Symbolia	40.37
sipho (Say), 1823 (Dolichopus), Condylostylus	40.12
smaragdulus (Wiedemann), 1830 (Psilopus), Condylostylus	40.12
sodalis Loew, 1861, Diaphorus	40.34
soleatus Becker, 1922, Chrysotus	40.31
solidus (Walker), 1860 (Psilopus), Condylostylus	40.12
solitarius d'Andretta, 1952, Hydrophorus	40.57
sordidus (Aldrich), 1896 (Achalculus), Enlinia	40.23
sordidus Van Duzee, 1933, Paraclius	40.49
spectabilis Loew, 1861, Diaphorus	40.34
spinimanus (Van Duzee), 1927 (Psilopus), Sciapus	40.16
spinipes Van Duzee, 1924, Chrysotus	40.31

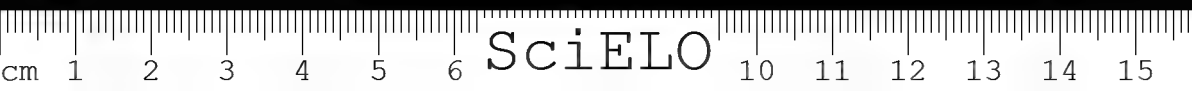


<i>spinipes</i> Van Duzee, 1930, <i>Sympycnus</i>	40.45
<i>spinitarsis</i> Van Duzee, 1932, <i>Sympycnus</i>	40.45
<i>spinulata</i> Parent, 1931, <i>Medetera</i>	40.20
<i>spinuliger</i> Parent, 1933, <i>Paraclius</i>	40.49
<i>spretus</i> Parent, 1934, <i>Thrypticus</i>	40.22
<i>squamifer</i> Becker, 1922, <i>Condyllostylus</i>	40.12
<i>Stenopygium</i> Becker, 1922	40.52
<i>stigma</i> (Fabricius), 1805 (<i>Dolichopus</i>), <i>Condyllostylus</i>	40.12
<i>Stolidosoma</i> Becker, 1922	40.38
<i>Stolidosominae</i>	40.38
<i>striaticollis</i> Becker, 1922, <i>Sciapus</i>	40.16
<i>striatus</i> Parent, 1928, <i>Pelastoneurus</i>	40.51
<i>stylatus</i> Becker, 1922, <i>Paraclius</i>	40.49
<i>suavis</i> (Loew), 1857 (<i>Lyroneurus</i>), <i>Diaphorus</i>	40.36
<i>suavium</i> (Walker), 1849 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.12
<i>subapicalis</i> Becker, 1922, <i>Chrysotus</i>	40.31
<i>subcordatus</i> Becker, 1922, <i>Condyllostylus</i>	40.12
<i>subcostatus</i> (Van Duzee), 1931 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.55
<i>subcurva</i> Van Duzee, 1931, <i>Xanthina</i>	40.23
<i>subdilatatus</i> Van Duzee, 1930, <i>Sympycnus</i>	40.45
<i>subpubescens</i> (Becker), 1922 (<i>Paraclius</i>), <i>Tachytrechus</i>	40.55
<i>subsejunctus</i> Loew, 1866, <i>Diaphorus</i>	40.34
<i>Subsympycnus</i> Becker, 1922	40.45
<i>sumptuosus</i> Parent, 1929, <i>Condyllostylus</i>	40.12
<i>superbiens</i> Parent, 1931, <i>Diaphorus</i>	40.36
<i>superbus</i> (Aldrich), 1896 (<i>Polymedon</i>), <i>Tachytrechus</i>	40.56
<i>superbus</i> (Wiedemann), 1830 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.12
<i>superfluous</i> (Schiner), 1868 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.12
<i>surinamensis</i> Parent, 1928, <i>Condyllostylus</i>	40.12
<i>Symbolia</i> Becker, 1922	40.37
<i>Sympycnidolphus</i> Robinson, 1964	40.38
<i>Sympycninae</i>	40.39
<i>Sympycnus</i> Loew, 1857	40.41
<i>Synarthrus</i> Loew, 1857	40.45
<i>Syntomoneurum</i> Becker, 1922	40.58
<i>syntormoides</i> Wheeler, 1899, <i>Asyndetus</i>	40.28
<i>Syntormon</i> Loew, 1857	40.45
<i>Syntormoneurum</i> , error or emend.	40.58
<i>Systeminae</i>	40.22
<i>Systemus</i> Loew, 1857	40.22
 <i>Tachytrechus</i> Haliday, 1851	 40.52
<i>taeniatus</i> Becker, 1922, <i>Pelastoneurus</i>	40.51
<i>tarsale</i> (Van Duzee), 1930 (<i>Stolidosoma</i>), <i>Pseudargyra</i>	40.36
<i>tarsalis</i> Robinson, 1964, <i>Microchrysotus</i>	40.20
<i>tarsalis</i> Robinson, 1967, <i>Neoparentia</i>	40.40
<i>tarsata</i> Parent, 1931, <i>Medetera</i>	40.20
<i>tarsatus</i> Van Duzee, 1932, <i>Condyllostylus</i>	40.12
<i>teapanus</i> Aldrich, 1902, <i>Chrysotus</i>	40.31
<i>Telmaturgus</i> Mik, 1874	40.46
<i>tener</i> (Loew), 1862 (<i>Psilopus</i>), <i>Sciapus</i>	40.16
<i>tenuimanus</i> Van Duzee, 1931, <i>Condyllostylus</i>	40.12
<i>tenuipes</i> Becker, 1922, <i>Condyllostylus</i>	40.12

40.90



<i>tenuipes</i> Becker, 1919, <i>Sympycnus</i>	40.45
<i>tenuipes</i> (Van Duzee), 1924 (<i>Paraphrosylus</i>), <i>Aphrosylus</i>	40.56
<i>tenuipes</i> Van Duzee, 1931, <i>Leptorhethum</i>	40.13
<i>tenuis</i> (Van Duzee), 1933 (<i>Sciapus</i>), <i>Condyllostylus</i>	40.12
<i>tenuitarsis</i> Van Duzee, 1931, <i>Condyllostylus</i>	40.12
<i>tenuitarsis</i> Van Duzee, 1930, <i>Sympycnus</i>	40.44
<i>terciliatus</i> Parent, 1928, <i>Condyllostylus</i>	40.12
<i>terminalis</i> Becker, 1922, <i>Condyllostylus</i>	40.13
<i>terminalis</i> Van Duzee, 1923, <i>Asyndetus</i>	40.28
<i>terminalis</i> Van Duzee, 1929, <i>Paraclius</i>	40.47
<i>terminalis</i> Van Duzee, 1930, <i>Sympycnus</i>	40.45
<i>testaceipes</i> (Rondani), 1848 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.12
<i>testipes</i> , error, <i>Condyllostylus</i>	40.12
<i>Tetrechus</i> , error	40.53
<i>Thinophilus</i> Wahlberg, 1844	40.58
<i>thoracica</i> Van Duzee, 1931, <i>Neurigona</i>	40.18
<i>thoracicus</i> (Philippi), 1865 (<i>Chrysotus</i>), <i>Achalcus</i>	40.23
<i>thoracicus</i> (Van Duzee), 1930 (<i>Sympycnus</i>), <i>Symbolia</i>	40.37
<i>Thrypticus</i> Gerstaecker, 1864	40.21
<i>tibialis</i> Robinson, 1967, <i>Sympycnidelpus</i>	40.38
<i>tibialis</i> (Thomson), 1869 (<i>Anchineura</i>), <i>Asyndetus</i>	40.28
<i>tibialis</i> (Wiedemann), 1830 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.13
<i>titicaca</i> Becker, 1922, <i>Hydrophorus</i>	40.57
<i>Tonnoiria</i> Parent, 1929	40.17
<i>tonsus</i> (Aldrich), 1901 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.13
<i>transversus</i> Van Duzee, 1930, <i>Oedematopus</i>	40.57
<i>transversus</i> (Van Duzee), 1929 (<i>Polymedon</i>), <i>Tachytrechus</i>	40.56
<i>trapezoides</i> Becker, 1922, <i>Pelastoneurus</i>	40.51
<i>triangularis</i> (Aldrich), 1901 (<i>Polymedon</i>), <i>Tachytrechus</i>	40.56
<i>trichosoma</i> (Bigot), 1890 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.13
<i>trimaculatus</i> Van Duzee, 1931, <i>Condyllostylus</i>	40.13
<i>tripartitus</i> (Aldrich), 1901 (<i>Phylarchus</i>), <i>Proarchus</i>	40.52
<i>triseriatus</i> (Aldrich), 1901 (<i>Psilopus</i>), <i>Condyllostylus</i>	40.13
<i>tristis</i> Schiner, 1869, <i>Mesorhaga</i>	40.14
<i>trititarsis</i> Parent, 1928, <i>Medetera</i>	40.20
<i>trivittatus</i> Van Duzee, 1915, <i>Diaphorus</i>	40.35
<i>tuberculatus</i> Van Duzee, 1931, <i>Chrysotus</i>	40.32
<i>tumantumari</i> Curran, 1925, <i>Condyllostylus</i>	40.13
<i>tumidipes</i> Becker, 1922, <i>Chrysotus</i>	40.31
<i>turbidus</i> Becker, 1922, <i>Pelastoneurus</i>	40.51
<i>tylophorus</i> (Schiner), 1868 (<i>Paracleius</i>), <i>Tachytrechus</i>	40.56
<i>umbrinervis</i> Parent, 1933, <i>Condyllostylus</i>	40.13
<i>umbripictus</i> Becker, 1922, <i>Pelastoneurus</i>	40.51
<i>unguiculatus</i> (Aldrich), 1896 (<i>Poecilobothrus</i>), <i>Pelastoneurus</i>	40.51
<i>unguipes</i> Becker, 1922, <i>Condyllostylus</i>	40.13
<i>unicinctus</i> (Van Duzee), 1927 (<i>Psilopus</i>), <i>Sciapus</i>	40.16
<i>unicolor</i> Becker, 1919, <i>Chrysotus</i>	40.31
<i>unicolor</i> Becker, 1922, <i>Medetera</i>	40.20
<i>unicolor</i> Parent, 1939, <i>Coelinium</i>	40.17
<i>unifasciatus</i> (Say), 1823 (<i>Dolichopus</i>), <i>Sciapus</i>	40.16
<i>unipilus</i> (Van Duzee), 1929 (<i>Nothosympycnus</i>), <i>Calyxochaetus</i> ...	40.40
<i>uniseriatus</i> Becker, 1922, <i>Condyllostylus</i>	40.13



uniseta Becker, 1922, Condyllostylus	40.13
unispina (Van Duzee), 1931 (Sympycnus), Stolidosoma	40.39
vagans Becker, 1922, Condyllostylus	40.13
vagans Loew, 1861, Pelastoneurus	40.51
validus Loew, 1861, Chrysotus	40.32
vanduzeei Parent, 1931, Pelastoneurus	40.51
Vanduzeeia Parent, 1934	40.56
varicolor Parent, 1932, Sympycnus	40.45
variegatus Aldrich, 1901, Pelastoneurus	40.51
variegatus (Loew), 1861 (Psilopus), Sciapus	40.16
varipes Aldrich, 1901, Sympycnus	40.45
varipes Robinson, 1967, Stolidosoma	40.39
varipes Van Duzee, 1929, Diaphorus	40.35
varipes Van Duzee, 1929, Medetera	40.20
varitibia Van Duzee, 1932, Condyllostylus	40.13
varum Becker, 1922, Gonioneurum	40.46
veliformis Becker, 1922, Condyllostylus	40.13
velox Parent, 1931, Chrysotus	40.31
ventralis Van Duzee, 1915, Diaphorus	40.35
venustus Aldrich, 1901, Paraclius	40.49
versicolor Johnson, 1924, Asyndetus	40.28
versicolor Van Duzee, 1932, Pelastoneurus	40.51
vicinus Becker, 1922, Diaphorus	40.35
vidua (Becker), 1922 (Liancalus), Oedematopus	40.57
viduus Parent, 1930, Diaphorus	40.35
vigilans Becker, 1922, Condyllostylus	40.13
villosipes (Parent), 1933 (Condyllostylus), Chrysosoma	40.3
villosus Parent, 1928, Condyllostylus	40.13
violaceum (Van Duzee), 1929 (Argyra), Stolidosoma	40.39
violaceus (Macquart), 1842 (Psilopus), Condyllostylus	40.13
violaceus Van Duzee, 1927, Thrypticus	40.22
viridicolor Becker, 1922, Medetera	40.20
viridis Becker, 1922, Chrysotus	40.31
viridis Van Duzee, 1913, Neurigona	40.18
viridiventris Van Duzee, 1933, Medetera	40.20
viridus Van Duzee, 1931, Paraclius	40.49
viduus Loew, 1864, Chrysotus	40.30
wheeleri Aldrich, 1901, Parasyntormon	40.41
willistoni Van Duzee, 1931, Diaphorus	40.36
willistoni (Wheeler), 1890 (Aphantotimus), Thrypticus	40.22
Xanthina Aldrich, 1902	40.23
Xanthochlorinae	40.22
Xanthotricha Aldrich, 1896	40.21
xanthotricha Becker, 1922, Medetera	40.20
xerophila Robinson, 1965, Discopygiella	40.25
Xiphandrium Loew, 1857	40.37



SUBORDER CYCLORRHAPHA

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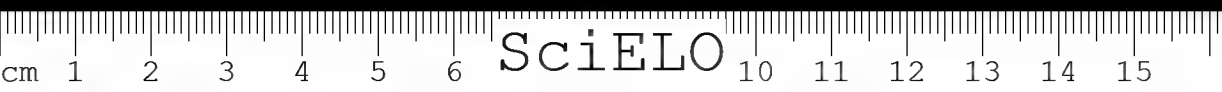




SciELO

DIVISION ASCHIZA





SciELO

SUPERFAMILY LONCHOPTEROIDEA

Family Lonchopteridae





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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

41

FAMILY LONCHOPTERIDAE

NELSON PAPAVERO

*Departamento de Zoologia, Secretaria da Agricultura
São Paulo, Brasil*

This family is represented by a single species, occurring in Chile. This species is parthenogenetic and has been studied by Stalker (1956).

Genus LONCHOPTERA Meigen

Musidora Meigen, 1800:30. Type-species, *Lonchoptera lutea* Panzer (Coquillett, 1910:377). Suppressed by I.C.Z.N., 1963:339.

LONCHOPTERA Meigen, 1803:272. Type-species, *lutea* Panzer (sub. mon., Panzer, 1809:20).

FURCATA (Fallén), 1823:1 (*Dipsa*). Type-locality: "Europe". Distr. — Europe, North America, Chile, Argentina (world-wide). Ref. — Hardy, 1952:458.

dubia Curran, 1934:4. Type-locality: U.S.A., New York, Cold Spring Harbor, Long Island.

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SUPERFAMILY PHOROIDEA

Family Sciadoceridae

Family Phoridae

Family Platypezidae





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A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

42

FAMILY SCIADOCERIDAE

NELSON PAPAVERO

*Departamento de Zoologia, Secretaria da Agricultura
São Paulo, Brasil*

Only one species of this family is known to occur in the Neotropical region. The adults are found in forested regions, especially in *Nothophagus* forests. The biology and immature stages of an Australian species, *Sciadocera rufomaculata* White have been studied by Fuller (1934). Hennig (1964) has published an account of the geographical distribution and phylogenetic relationships of the group.

Genus ARCHIPHORA Schmitz

Sciadocera, subgenus ARCHIPHORA Schmitz, 1929:9. Type-species, *patagonica* (orig. des.).

PATAGONICA Schmitz, 1929:10, figs. 1a, 2a-b. Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Chile (Peulla), Argentina (Rio Negro).

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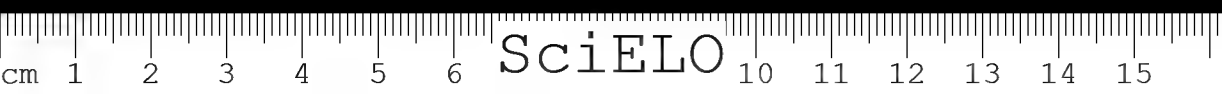
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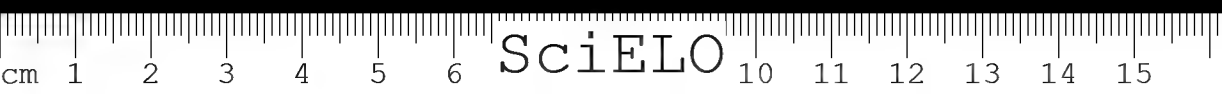
SUPERFAMILY SYRPHOIDEA

Family Pipunculidae

Family Syrphidae

Family Conopidae





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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

45

FAMILY PIPUNCULIDAE *

(DORILAIIDAE)

D. ELMO HARDY

*Senior Professor and Chairman
Department of Entomology
University of Hawaii
Honolulu, Hawaii*

The Pipunculidae ("big-eyed flies") are parasitic on Cicadellidae, Delphacidae and possibly Cercopidae and some other families of Homoptera. They are evidently of considerable importance as an aid in control of some pest leafhopper species. Very little information is available concerning the hosts of Neotropical species.

Approximately 550 species are known for the entire world. 112 species and one subspecies are known from the Neotropics. Little or nothing is known about these flies over vast portions of this Region and the Neotropical fauna probably consists of at least 300 species.

Subfamily CHALARINAE

Genus CHALARUS Walker

CHALARUS Walker, 1834:269. Type-species, *Cephalops spurius* Fallén (Westwood, 1840:135).

Atelenevra Macquart, 1834:356 (nec *Atelenevra* Bezzi, 1904:166). Type-species, *Pipunculus holosericeus* Meigen (mon.).

SPURIUS SPURIUS (Fallén), 1816:16 (*Cephalops*). Type-locality: Scandinavia. Distr. — Widespread over much of the world.

ssp. CHILINSIS Collin, 1931a:52, fig. 14. Type-locality: Argentina, Rio Negro, Bariloche.

* Published with the approval of the Director of the Hawaii Agricultural Experiment Station as Miscellaneous Paper No. 186.



Subfamily PIPUNCULINAE

Tribe PROTONEPHRO CERINI

Genus PROTONEPHRO CERUS Collin

PROTONEPHRO CERUS Collin, 1931a:52. Type-species, *chiloensis* Collin (orig. des.).

CHILOENSIS Collin, 1931a:52, figs. 15a-b. Type-locality: Chile, Ancud. Distr. — Chile.

Tribe PIPUNCULINI

Genus PIPUNCULUS Latreille

Dorilas Meigen, 1800:31. Type-species, *campestris* Latreille. (Coquillett, 1910:535). Suppressed by I.C.Z.N., 1963:339.

Dorylas, emend.

PIPUNCULUS Latreille, 1802:463. Type-species, *campestris* Latreille (mon.).

Microcera Meigen, 1803:275 (partim; no species).

Cephalops Fallén, 1810:10. Type-species, *aeneus* Fallén (mon.) = *pratorum* (Fallén).

Alloneura Rondani, 1856:140. Type-species, *Pipunculus flavipes* Meigen (mon.). Suppressed by I.C.Z.N., 1961:230.

Collinias Aczél, 1940:151. Type-species, *Pipunculus heterostigmus* Perkins (Hardy, 1950b:6).

Subgenus CEPHALOSPHERA Enderlein

CEPHALOSPHERA Enderlein, 1936:129 (as genus). Type-species, *Pipunculus furcatus* Egger (mon.).

Strandimyza Duda, 1940:216. Type-species, *furcata* Egger (mon.) (Aczél, 1948:73).

Anacephalops Aczél, 1940:151. Type-species, *Pipunculus amboinalis* Walker (orig. des.). N. SYN. [based upon study of type in British Museum (Natural History)].

Dorilas (*Cephalosphaera*) Enderlein; Hardy, 1950b:11.

AEQUATORIALIS Becker, 1919:167. Type-locality: Ecuador, Narihuma. Distr. — Ecuador. [generic placement?; Becker indicated the stigma is absent. Aczél, 1948:78, placed this in *Anacephalops* = *P. (Cephalosphaera)*, N. SYN.].

BOUTROPIS Hardy, 1965a:201, figs. 1a-c. Type-locality: Argentina, Tucumán, Burruyacu, Villa Padre Monti. Distr. — Argentina.

ELEGANTULUS Williston, 1892:86. Type-locality: Mexico, Guerrero. Distr. — Mexico.

JAMAICENSIS Johnson, 1919:433. Type-locality: "Jamaica". Distr. — Jamaica.



- INCOMITATUS Hardy, 1965:204, figs. 2a-d. Type-locality: Argentina, Tucumán, Burruyacu, Villa Padre Monti. Distr. — Argentina.
- MOCAENSIS (Hardy), 1948a:127, figs. 4a-b (*Dorilas*). Type-locality: West Indies, Moca, Guatalou. Distr. — West Indies.
- PANAMAENSIS (Hardy), 1948b:8, figs. 6a-d (*Cephalosphaera*). Type-locality: Panama, Canal Zone, Barro Colorado Is. Distr. — Panama. Ref. — Hardy, 1965b:14, figs. 1a-c.

Subgenus EUDORYLAS Aczél

- EUDORYLAS Aczél, 1940:151 (as genus). Type-species, *Pipunculus opacus* Fallén (orig. des.).
- Dorilas* (*Eudorylas*) Aczél; Hardy, 1943:55.
- ABELUS (Hardy), 1954a:12, figs. 1a-c (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Grajaú. Distr. — Brazil.
- ABSONDITUS (Hardy), 1954a:14, figs. 2a-b (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Grajaú. Distr. — Colombia, Brazil. Ref. — Hardy, 1963:263, figs. 2a-c.
- ACCEDENS (Hardy), 1954a:15, fig. 3 (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Paineiras. Distr. — Brazil.
- ADUNATUS Hardy, 1965b:25, figs. 7a-d. Type-locality: Brazil, São Paulo, Vera Cruz, Fazenda Santa Rosa. Distr. — Brazil.
- AMAZONUS (Hardy), 1950a:433, figs. 1a-c (*Dorilas*). Type-locality: Brazil, Amazonas. Distr. — Brazil.
- ANGUSTIPRONS Becker, 1900:246. Type-locality: "Peru". Distr. — Peru.
- ARGENTATUS (Hardy), 1954a:17, figs. 4a-c (*Dorilas*). Type-locality: Brazil, Mato Grosso, Salobra. Distr. — Brazil.
- ATTENUATUS Hardy, 1965b:28, fig. 8c. Type-locality: Brazil, Rio de Janeiro, Itatiaia, Maromba. Distr. — Brazil.
- BARRETOI Hardy, 1965b:28, figs. 9a-c. Type-locality: Brazil, Rio de Janeiro, Itatiaia, Maromba. Distr. — Brazil.
- BARUERIENSIS Hardy, 1965b:30, figs. 10a-c. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil.
- BRUNNIPENNIS Becker, 1900:248. Type-locality: "Peru". Distr. — Peru.
- BUSCKI Malloch, 1912a:3. Type-locality: Panama, Taboga Is. Distr. — Possibly widespread over neotropics: Panama, Ecuador, Brazil. Ref. — Hardy, 1948a:124, figs. 1a-c.
- CARRERAI (Hardy), 1950a:434, figs. 2a-d (*Dorilas*). Type-locality: Brazil, São Paulo, Capital. Distr. — Brazil. Ref. — Hardy, 1954a:18, figs. 5a-b.
- CONGRUENS (Hardy), 1950a:437, figs. 3a-c (*Dorilas*). Type-locality: Brazil, São Paulo, Capital, Cantareira. Distr. — Brazil.
- CRESSONI Johnson, 1919:433. Type-locality: Jamaica, Montego Bay. Distr. — Jamaica. Ref. — Hardy, 1954b:124, figs. 5a-b.
- CURVATUS (Hardy), 1954a:20, figs. 6a-c (*Dorilas*). Type-locality: Brazil, Minas Gerais, Cambuquira. Distr. — Brazil, Argentina. Ref. — Hardy, 1965a:207, figs. 3b-c.



- CUSPICORNIS Kertész, 1915:386 (new name for *acuticornis* Malloch, 1912). Type-locality: Panama, Taboga Is. Distr. — Panama. (In *Eudorylas* by Aczél, 1952:243).
- acuticornis* Malloch, 1912a:2 (nec Zeller, in litt., apud Zetterstedt, 1849:3207).
- DEVIUS Hardy, 1965a:208, figs. 4a-c. Type-locality: Argentina, Salta, Embarcación. Distr. — Argentina.
- DEXTRATUS Hardy, 1965a:210, figs. 5a-e. Type-locality: Argentina, Salta, Tartagal. Distr. — Argentina.
- DISCANTHUS Hardy, 1965b:32, fig. 10d. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil, Argentina. Ref. — Hardy, 1965a: figs. 6a-b.
- DISCREGUS Hardy, 1965a:213, figs. 6c-e. Type-locality: Argentina, Tucumán, Burruyacu, Villa Padre Monti. Distr. — Argentina.
- DOELLOI Shannon, 1927:37. Type-locality: Argentina, Tucumán, Tafi Viejo. Distr. — Brazil, Argentina. Refs. — Hardy, 1953:301, figs. 5, 6; 1965b:33, figs. 11a-d.
- DORSISPINOSUS Hardy, 1965a:215, figs. 7a-e. Type-locality: Argentina, Tucumán, Burruyacu, Villa Padre Monti. Distr. — Argentina.
- DUMICOLUS Hardy, 1963:265, figs. 2d-f. Type-locality: Colombia, Nariño, Pedregal. Distr. — Colombia.
- EMINULUS Hardy, 1965b:35, figs. 12a-d. Type-locality: Brazil, Minas Gerais, Arceburgo. Distr. — Brazil.
- EREMITUS (Hardy), 1954a:21, figs. 7a-b (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Manguinhos. Distr. — Brazil. Ref. — Hardy, 1965b:37, fig. 13a.
- EXSERTUS Hardy, 1965b:37, fig. 13b. Type-locality: Brazil, Rio de Janeiro, Itatiaia, Maromba. Distr. — Brazil.
- FLAVITARSIS Williston, 1892:87. Type-locality: Mexico, Guerrero. Refs. — Hardy, 1953:86; Aczél, 1952:243 (treats it as *Eudorylas*).
- GOLBACHI Hardy, 1965a:218, figs. 8a-e. Type-locality: Argentina, Tucumán, Burruyacu, Villa Padre Monti. Distr. — Argentina.
- GOMESI (Hardy), 1954a:22, figs. 8a-b (*Dorilas*). Type-locality: Brazil, Minas Gerais, Cambuquira. Distr. — Brazil. Ref. — Hardy, 1965b:39, fig. 14a.
- GOWDEYI Curran, 1928:36. Type-locality: "Jamaica". Distr. — Jamaica. (In *Eudorylas* by Aczél, 1948:26).
- GRATIOSUS Kertész, 1915:391, figs. 5a-b. Type-locality: "Paraguay". Distr. — Paraguay. Ref. — Aczél, 1952:244.
- INEPTUS (Hardy), 1954a:24, figs. 9a-c (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Grajaú. Distr. — Brazil.
- INERMUS (Hardy), 1954a:26, figs. 10a-b (*Dorilas*). Type-locality: Brazil, Minas Gerais, Cambuquira. Distr. — Brazil.
- INSIGNIS (Hardy), 1954a:27, figs. 11a-b (*Dorilas*). Type-locality: Brazil, Minas Gerais, Cambuquira. Distr. — Brazil, Argentina.
- INTERRUPTUS Malloch, 1912a:1. Type-locality: Panama, Taboga Is. Distr. — Panama. Ref. — Hardy, 1948a:126, figs. 2a-b.
- LANEI Hardy, 1965b:39, figs. 14b-d. Type-locality: Brazil, Território do Amapá, Serra do Navio. Distr. — Brazil.

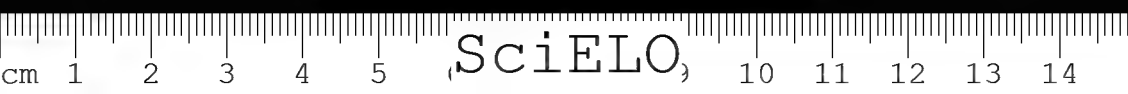
- LINDNERI Collin, 1931b:174, fig. 3. Type-locality: Bolivia, Santa Cruz de la Sierra, Mediomonte. Distr. — Bolivia. Refs. — Aczél, 1948:25; 1952:244.
- LIVIDUS (Hardy), 1954a:28, figs. 12a-b (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro. Distr. — Brazil.
- LONGIPILUS (Hardy), 1948a:126, figs. 3a-b (*Dorilas*). Type-locality: Ecuador, Pichincha. Distr. — Ecuador.
- LOPESI (Hardy), 1954a:31, figs. 13a-b (*Dorilas*). Type-locality: Brazil, Minas Gerais, Belo Horizonte. Distr. — Brazil.
- MEXICANUS (Hardy), 1949:133, figs. 3a-b (*Dorilas*). Type-locality: Mexico, Coahuila, Saltillo. Distr. — Mexico.
- NIGRIPEDES (Hardy), 1954a:32, figs. 14a-c (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Grajaú. Distr. — Brazil, Argentina. Ref. — Hardy, 1965b:41, figs. 13c-d.
- OCCULTUS (Hardy), 1950a:440, figs. 4a-c (*Dorilas*). Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil. Refs. — Hardy, 1954a:33, figs. 15a-c; 1965b:41, figs. 15a-d.
- OPINATUS (Hardy), 1950a:440, figs. 5a-c (*Dorilas*). Type-locality: Brazil, São Paulo, Capital, Cidade Jardim. Distr. — Brazil. Ref. — Hardy, 1965b:43, figs. 16d-e.
- OPIPARUS (Hardy), 1954a:34, figs. 16a-d (*Dorilas*). Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil, Argentina.
- PARTICEPS (Hardy), 1954a:37, figs. 17a-c (*Dorilas*). Type-locality: Brazil, Minas Gerais, Cambuquira. Distr. — Brazil, Argentina. Ref. — Hardy, 1965b:43, fig. 16f.
- PARTITUS Hardy, 1965b:44, figs. 16a-c. Type-locality: Brazil, Minas Gerais, Arceburgo. Distr. — Brazil.
- PECTITIBIALIS (Hardy), 1954a:38, figs. 18a-e (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Grajaú. Distr. — Brazil, Argentina. Ref. — Hardy, 1965b:45, figs. 17a-b.
- PLATYPODUS (Hardy), 1950a:442, figs. 6a-d (*Dorilas*). Type-locality: Brazil, Amazonas. Distr. — Brazil.
- REGALIS Van Duzee, 1928:43. Type-locality: "Puerto Rico". Distr. — Puerto Rico, Virgin Is. Ref. — Hardy, 1954a:3, 5.
- REPLICATUS (Hardy), 1948b:2, figs. 2a-b (*Dorilas*). Type-locality: Panama, Canal Zone, Barro Colorado Is. Distr. — Panama.
- REX Curran, 1934:416. Type-locality: British Guiana, Bartica, Kartabo. Distr. — British Guiana. Refs. — Hardy, 1948a:128, figs. 5a-e; 1965b:47, fig. 17c.
- ROTUNDICORNIS (Hardy), 1954a:41, figs. 19a-c (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro. Distr. — Brazil.
- SCHREITERI Shannon, 1927:37. Type-locality: Argentina, Tucumán, Raco. Distr. — Brazil, Bolivia, Chile, Argentina. Refs. — Hardy, 1953:303, figs. 7-9; 1965b:47, fig. 18a.
- simulator* Collin, 1931a:56, fig. 17b. Type-locality: Chile, Ancud. Ref. — Collin, 1931b:173, figs. 2, 5b-c.
- SCOLIOTYLIS Hardy, 1965b:47, figs. 18b-e. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil.



- SCOTINUS Collin, 1931a:60, fig. 18c. Type-locality: Argentina, Misiones, Bompland. Distr. — Brazil, Argentina. Refs. — Hardy, 1954a:42, figs. 20a-b; 1965b:50, figs. 19a-b.
- SIMILIS (Hardy), 1950a:443, figs. 7a-c (*Dorilas*). Type-locality: Brazil, São Paulo, Peruibe. Distr. — Brazil. Ref. — Hardy, 1965b:50, fig. 19c.
- SPINITIBIALIS (Hardy), 1954a:44, figs. 21a-c (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro. Distr. — Brazil, Argentina. Ref. — Hardy, 1965b:51, fig. 19d.
- ventosus* Hardy, 1954a:47, figs. 23a-b (*Dorilas*). Type-locality: Brazil, Rio de Janeiro, Rezende. Ref. — Hardy, 1965b:56, fig. 21d.
- SPINOSUS (Hardy), 1948b:4, figs. 3a-c (*Dorilas*). Type-locality: Costa Rica, Hamburg Farm. Distr. — Costa Rica, Brazil. Refs. — Hardy, 1954b:126; 1965b:52, figs. 17d-e.
- SUBJECTUS Collin, 1931b:171, fig. 1. Type-locality: Bolivia, Villa Montes. Distr. — Brazil, Bolivia, Argentina. Ref. — Hardy, 1965a:225, figs. 10a-c.
- SUBNITELLUS Hardy, 1965b:52, figs. 20a-d. Type-locality: Brazil, Minas Gerais, Arceburgo. Distr. — Brazil.
- SUBOPACUS Loew, 1865:176. Type-locality: Washington. Distr. — Canada, U.S.A., Mexico. Ref. — Hardy, 1943:117, figs. 62a-e.
- TRINIDADENSIS (Hardy), 1948b:7, figs. 5a-c (*Dorilas*). Type-locality: Trinidad, Port of Spain. Distr. — Trinidad.
- TROPIDOAPEX Hardy, 1965b:54, figs. 21a-c. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil.
- TUCUMANUS Shannon, 1927:37. Type-locality: Argentina, Tucumán, Quebrada de Lules. Distr. — Brazil, Argentina. Refs. — Hardy, 1963:305, figs. 10-12; 1965a:226, figs. 11a-d.

Subgenus PIPUNCULUS Latreille

- BRASILIENSIS (Hardy), 1950a:444, figs. 8a-d (*Dorilas*). Type-locality: Brazil, São Paulo, Salesópolis, Estação Biológica de Boracéia. Distr. — Brazil.
- CALLISTUS (Hardy), 1954a:50, figs. 24a-c (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Gávea. Distr. — Brazil.
- FEREPAUCULUS Hardy, 1965a:230, figs. 12b-e. Type-locality: Argentina, Tucumán, Tafi Viejo, Quebrada La Toma. Distr. — Argentina.
- LATIFRONS (Hardy), 1948b:1, figs. 1a-b (*Dorilas*). Type-locality: Jamaica, Whitfield Hall, Blue Mts. Distr. — Jamaica.
- LIMATUS Hardy, 1965b:16, figs. 2a-d. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil, and possibly Argentina. Ref. — Hardy, 1965a:230, fig. 13a.
- NITIDUS (Hardy), 1950a:447, figs. 9a-b (*Dorilas*). Type-locality: Brazil, São Paulo, Cantareira, Chapadão. Distr. — Brazil. Ref. — Hardy, 1965b:18, figs. 3d-e.
- PAGANUS Hardy, 1965b:19, figs. 4a-e. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil.



- PAUCULUS (Hardy), 1954a:51, figs. 25a-b (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Gávea. Distr. — Brazil, and probably Argentina. Ref. — Hardy, 1965b:21, figs. 3a-c.
- PENEPauculus Hardy, 1965a:232, figs. 13b-d. Type-locality: Argentina, Tucumán, Tafí Viejo, Quebrada La Toma. Distr. — Argentina.
- PLAUMANNI (Hardy), 1954b:121, figs. 1a-d (*Dorilas*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil.
- POSTICUS Collin, 1931a:59, figs. 17c, 18a. Type-locality: Chile, Santiago, Los Andes. Distr. — Chile.
- RAVILATERALIS Hardy, 1965a:234, figs. 14a-d. Type-locality: Argentina, Tucumán, Burruyacu, Villa Padre Monti. Distr. — Argentina.
- STYGIUS (Hardy), 1948b:5, figs. 4a-c (*Dorilas*). Type-locality: Jamaica, Moneague. Distr. — Jamaica.
- VILLIFEMORALIS (Hardy), 1954a:53, figs. 26a-d (*Dorilas*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Grajaú. Distr. — Brazil. Ref. — Hardy, 1965b:21, figs. 5a-b.
- WILLIAMSII (Hardy), 1954a:54, figs. 27a-c (*Dorilas*). Type-locality: Brazil, Rio de Janeiro, Rezende. Distr. — Brazil. Ref. — Hardy, 1965b:21, figs. 6a-d.

Genus PIPUNCULUS (subgenus?)

- ALBINUS Wiedemann, 1830:650. Type-locality: "Brazil". Distr. — Brazil.
- PERUENSIS (Hardy), 1947:147 (*Dorilas*). Change of name for *umbrinus* Becker. Becker's specimen was from Peru, no locality or type were designated. Distr. — Peru. Ref. — subgenus *Pipunculus* according to Aczél, 1952:241.
- umbrinus* Becker, 1900:254, nec Loew, 1860:282.
- RUBIDUS (Hardy), 1948a:129, figs. 6a-b (*Dorilas*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil. Ref. — placed in *Eudorylas* by Aczél, 1952:245.
- WILLISTONI Kertész, 1900:244. Change of name for *aculeatus* Williston. Type-locality: Mexico, Tabasco. Distr. — Mexico, West Indies, St. Vincent. Ref. — Hardy, 1943:126.
- aculeatus* Williston, 1896:351, nec Loew, 1857:375.

Tribe TOMOSVARYELLINI

Genus ALLOMETHUS Hardy

- ALLOMETHUS Hardy, 1943:128. Type-species, *brimleyi* Hardy (orig. des.).
- FLAVICORNIS (Williston), 1892:88 (*Pipunculus*). Type-locality: Mexico, Guerrero, Amula. Distr. — Mexico. Ref. — Hardy, 1943:129, pl. 11, fig. 69a.
- XANTHOPODUS (Williston), 1892:87 (*Pipunculus*). Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas. Distr. — Mexico. Ref. — Hardy, 1943:130, pl. 11, fig. 70a.



Genus DORYLOMORPHA Aczél

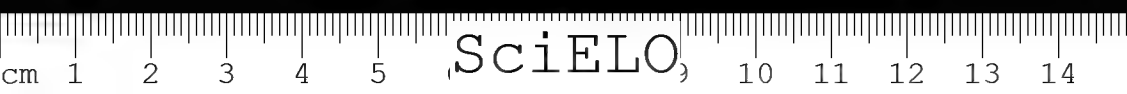
Tomosvaryella, subg. DORYLOMORPHA Aczél, 1939:22. Type-species, *Pipunculus rufipes* Meigen (orig. des.).

- LAETA (Becker), 1900:249 (*Pipunculus*). Type-locality: "Peru". Distr. --- Peru.
- LENKOI Hardy, 1965b:59, figs. 23a-e. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil.
- REVELOI Hardy, 1963:259, figs. 1a-d. Type-locality: Colombia, Boyaca, Bonza. Distr. — Colombia.

Genus TOMOSVARYELLA Aczél

TOMOSVARYELLA Aczél, 1939:22. Type-species, *Pipunculus sylvaticus* Meigen (orig. des.).

- BIDENS (Cresson), 1911:320 (*Pipunculus*). Type-locality: U.S.A., California, Yosemite Valley. Distr. — Southern half of United States, Mexico to Brazil. Ref. — Hardy, 1965b:64, figs. 25a-d.
- GALAPAGENSIS (Curran), 1934:152 (*Pipunculus*). Type-locality: Galapagos Is. (Albermale, Gardner, Hood, Charles and James Is.). Distr. — Galapagos.
- LEPIDIPES Hardy, 1943:166, figs. 92a-e. Type-locality: U.S.A., Nevada, Fallon. Distr. — widespread over the Nearctic and Neotropical regions.
- LYNCHI (Shannon), 1927:38 (*Pipunculus*). Type-locality: Argentina, Tucumán, Quebrada de Lules. Distr. — Brazil, Argentina. Refs. — Hardy, 1953:300, figs. 1-4; 1965a:236, figs. 15a-c.
- MEDIOCRIS (Collin), 1931a:54, fig. 16a (*Pipunculus*). Type-locality: Chile, Casa Pangué. Distr. — Chile and possibly Argentina. Ref. — Hardy, 1965a:238, fig. 16a.
- ORNATITARSALIS Hardy, 1954a:57, figs. 28a-e. Type-locality: Brazil, São Paulo, Campinas. Distr. — Brazil.
- PERISSOSCELES Hardy, 1965a:238, figs. 16b-f. Type-locality: Argentina, Jujuy, Sierra Zapla. Distr. — Argentina.
- POLITA (Williston), 1896:351 (*Pipunculus*). Type-locality: St. Vincent, B.W.I. Distr. — St. Vincent. Ref. — Hardy, 1943:146.
- PROSTATA Hardy, 1963:261, figs. 1c-h. Type-locality: Colombia, Cundinamarca, Funza. Distr. — Colombia and possibly Argentina.
- SCOPULATA Hardy, 1963:262, figs. 1i-l. Type-locality: Colombia, Valle, Palmira. Distr. — Colombia.
- SONORENSIS (Cole), 1923:466, fig. 9 (*Pipunculus*). Type-locality: Mexico, Sonora, Tepoca Bay. Distr. — Mexico. Ref. — Hardy, 1943:176, pl. 17, fig. 99a.
- SUBVIRESCENS (Loew), 1872:87 (*Pipunculus*). Type-locality: U.S.A., Texas, Belfrage. Distr. — widespread of Nearctic, Neotropical and Palearctic regions.
- aridus* Williston, 1893:78 (*Pipunculus*). Type-locality: U.S.A., California.



- pilosiventris* Becker, 1900:236 (*Pipunculus*). Type-locality: Egypt, Cairo.
- glabrum* Adams, 1905:165 (*Pipunculus*). Type-locality: Africa, Rhodesia.
- insularis* Cresson, 1911:317 (*Pipunculus*). Type-locality: Bermuda, Milton Parish.
- albiseta* Cresson, 1911:318 (*Pipunculus*). Type-locality: Bermuda, Hamilton Parish.
- metallescens* Malloch, 1912b:298 (*Pipunculus*). Type-locality: Nicaragua, Chinandega.
- knowltoni* Hardy, 1939:20 (*Pipunculus*). Type-locality: U.S.A., Utah, Cache Junction.
- TUBERCULATA Hardy, 1948b:11, figs. 7a-d. Type-locality: Cuba, Soledad. Distr. — Cuba.

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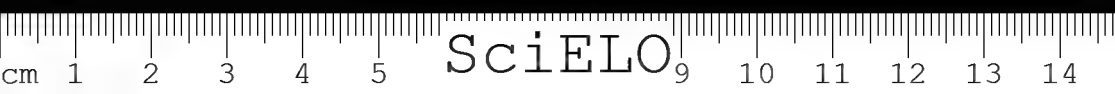
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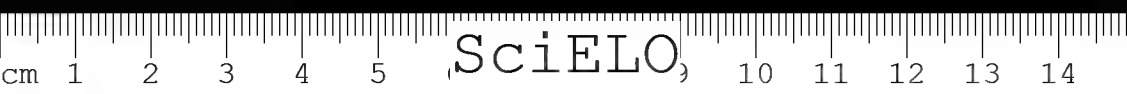
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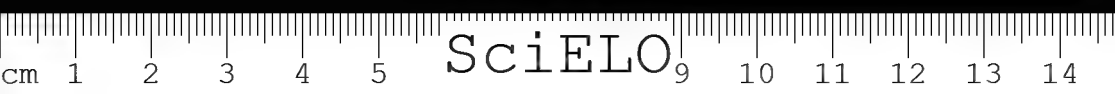
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<i>lindneri</i> Collin, 1931, <i>Pipunculus</i> (<i>Eudorylas</i>)	45.5
<i>lividus</i> (Hardy), 1948 (Dorilas), <i>Pipunculus</i> (<i>Eudorylas</i>)	45.5
<i>longipilus</i> (Hardy), 1948 (Dorilas), <i>Pipunculus</i> (<i>Eudorylas</i>)	45.5
<i>lopesi</i> (Hardy), 1954 (Dorilas), <i>Pipunculus</i> (<i>Eudorylas</i>)	45.5
<i>lynchi</i> (Shannon), 1927 (<i>Pipunculus</i>), <i>Tomosvaryella</i>	45.8
<i>mediocris</i> (Collin), 1931 (<i>Pipunculus</i>), <i>Tomosvaryella</i>	45.8
<i>metallescens</i> Malloch, 1912 (<i>Pipunculus</i>), <i>Tomosvaryella</i>	45.9
<i>mexicanus</i> (Hardy), 1949 (Dorilas), <i>Pipunculus</i> (<i>Eudorylas</i>)	45.5
<i>Microcera</i> Meigen, 1803	45.2
<i>mocaensis</i> (Hardy), 1948 (Dorilas), <i>Pipunculus</i> (<i>Cephalosphaera</i>). ..	45.3
<i>nigripedes</i> (Hardy), 1954 (Dorilas), <i>Pipunculus</i> (<i>Eudorylas</i>) ...	45.5
<i>nitidus</i> (Hardy), 1950 (Dorilas), <i>Pipunculus</i> (<i>Pipunculus</i>)	45.6
<i>occultus</i> (Hardy), 1950 (Dorilas), <i>Pipunculus</i> (<i>Eudorylas</i>)	45.5
<i>opinatus</i> (Hardy), 1950 (Dorilas), <i>Pipunculus</i> (<i>Eudorylas</i>)	45.5
<i>opiparus</i> (Hardy), 1954 (Dorilas), <i>Pipunculus</i> (<i>Eudorylas</i>)	45.5
<i>ornatitarsalis</i> Hardy, 1954, <i>Tomosvaryella</i>	45.8
<i>paganus</i> Hardy, 1965, <i>Pipunculus</i> (<i>Pipunculus</i>)	45.6
<i>panamaensis</i> (Hardy), 1948 (<i>Cephalosphaera</i>), <i>Pipunculus</i> (<i>Cepha-</i> <i>losphaera</i>)	45.3
<i>particeps</i> (Hardy), 1954 (Dorilas), <i>Pipunculus</i> (<i>Eudorylas</i>)	45.5
<i>partitus</i> Hardy, 1965, <i>Pipunculus</i> (<i>Eudorylas</i>)	45.5
<i>pauculus</i> (Hardy), 1954 (Dorilas), <i>Pipunculus</i> (<i>Pipunculus</i>)	45.7
<i>pectitibialis</i> (Hardy), 1954 (Dorilas), <i>Pipunculus</i> (<i>Eudorylas</i>) ...	45.5
<i>penepauculus</i> Hardy, 1965, <i>Pipunculus</i> (<i>Pipunculus</i>)	45.7
<i>perissosceles</i> Hardy, 1965, <i>Tomosvaryella</i>	45.8
<i>peruensis</i> (Hardy), 1947 (Dorilas), <i>Pipunculus</i> (subgenus?)	45.7
<i>pilosiventris</i> (Becker), 1900 (<i>Pipunculus</i>), <i>Tomosvaryella</i>	45.9
<i>Pipunculinae</i>	45.2
<i>Pipunculini</i>	45.2
<i>Pipunculus</i> Latreille, 1802	45.2



Pipunculus (Pipunculus) Latreille, 1802	45.6
platypodus (Hardy), 1950 (Dorilas), Pipunculus (Eudorylas)	45.5
plaumanni (Hardy), 1954 (Dorilas), Pipunculus (Pipunculus) ...	45.7
polita (Williston), 1896 (Pipunculus), Tomosvaryella	45.8
posticus Collin, 1931, Pipunculus (Pipunculus)	45.7
prostata Hardy, 1963, Tomosvaryella	45.8
Protonephrocerini	45.2
Protonephrocerus Collin, 1931	45.2
ravilateralis Hardy, 1965, Pipunculus (Pipunculus)	45.7
regalis Van Duzee, 1928, Pipunculus (Eudorylas)	45.5
replicatus (Hardy), 1948 (Dorilas), Pipunculus (Eudorylas)	45.5
reveloi Hardy, 1963, Dorylomorpha	45.8
rex Curran, 1934, Pipunculus (Eudorylas)	45.5
rotundicornis (Hardy), 1954 (Dorilas), Pipunculus (Eudorylas) ..	45.5
rubidus (Hardy), 1948 (Dorilas), Pipunculus (subgenus?)	45.7
schreiteri Shannon, 1927, Pipunculus (Eudorylas)	45.5
scoliostylis Hardy, 1965, Pipunculus (Eudorylas)	45.5
scopulata Hardy, 1963, Tomosvaryella	45.8
scotinus Collin, 1931, Pipunculus (Eudorylas)	45.6
similis (Hardy), 1950 (Dorilas), Pipunculus (Eudorylas)	45.6
simulator Collin, 1931, Pipunculus (Eudorylas)	45.5
sonorensis (Cole), 1923 (Pipunculus), Tomosvaryella	45.8
spinitibialis (Hardy), 1954 (Dorilas), Pipunculus (Eudorylas) ...	45.6
spinusos (Hardy), 1948 (Dorilas), Pipunculus (Eudorylas)	45.6
spurius (Fallén), 1816 (Cephalops), Chalarus	45.1
<i>Strandimyza</i> Duda, 1940	45.2
stygius (Hardy), 1948 (Dorilas), Pipunculus (Pipunculus)	45.7
subjectus Collin, 1931, Pipunculus (Eudorylas)	45.6
subnitellus Hardy, 1965, Pipunculus (Eudorylas)	45.6
subopacus Loew, 1865, Pipunculus (Eudorylas)	45.6
subvirescens (Loew), 1872 (Pipunculus), Tomosvaryella	45.8
Tomosvaryella, Aczél, 1939	45.8
Tomosvaryellini	45.7
trinidadensis (Hardy), 1948 (Dorilas), Pipunculus (Eudorylas) ..	45.6
tropidoapex Hardy, 1965, Pipunculus (Eudorylas)	45.6
tuberculata Hardy, 1948, Tomosvaryella	45.9
tucumanus Shannon, 1927, Pipunculus (Eudorylas)	45.6
umbrinus Becker, 1900, Pipunculus (Subgenus?)	45.7
ventosus (Hardy), 1954 (Dorilas), Pipunculus (Eudorylas)	45.6
villifemoralis (Hardy), 1954 (Dorilas), Pipunculus (Pipunculus).	45.7
xanthopodus (Williston), 1832 (Pipunculus), Allomethus	45.7
williamsi (Hardy), 1954 (Dorilas), Pipunculus (Pipunculus)	45.7
willistoni Kertész, 1900, Pipunculus (subgenus?)	45.7





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MUSEU DE ZOOLOGIA, UNIVERSIDADE DE SÃO PAULO
(Formerly Departamento de Zoologia, Secretaria da Agricultura, São Paulo)

A CATALOGUE OF THE DIPTERA OF THE AMERICAS SOUTH
OF THE UNITED STATES

46

FAMILY SYRPHIDAE

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Adult Syrphidae, commonly called "Flower or Hover Flies", are rather conspicuous flies. Their size ranges from 4 mm to over 25 mm and their coloration from bright yellows and oranges to dull drab blacks and grays with a few iridescent forms. Many syrphid flies are Batesian mimics of stinging Hymenoptera and are highly beneficial as pollinators. The larvae of most syrphids are of little direct importance to man. A few are pests of Narcissus bulbs (*Eumerus* and *Merodon*), others have occasionally been reported to cause intestinal myiasis in man (*Eristalis*), and some of the predaceous syrphines are of importance in the control of aphids and other Homoptera.

Syrphid flies are worldwide in distribution, with their greatest diversity of forms in the New World tropics. Despite this interesting diversity and the critical zoogeographic importance of the Neotropical area, the South American forms are still poorly known. The higher classification of the Neotropical Syrphidae has been recently revised in large part by Vockeroth (1969, tribes of Syrphinae, genera of Syrphini) and Thompson (1969, Microdontinae; 1972, Milesiinae), but much still needs to be done on the specific level.

The first catalog of Neotropical Syrphidae was written by Williston (1886; corrections, 1887a). Aldrich's Catalogue of North American Diptera (1905) included many Neotropical species, since his coverage included Central America. Kertész (1910) provided a World catalog but his work on the New World was largely based on Williston and Aldrich.

46.1



Some local catalogs were published (Brèthes, 1907 — Argentina; Stuardo, 1946 — Chile), but Fluke (1956-57) provided the first modern catalog to the Neotropical Syrphidae. However, as is usual with any such first attempts, there were numerous errors of both omission and commission in it. Goot (1946) reviewed Fluke's catalog, corrected some of his omissions, but still missed about a dozen species and caused additional confusion by introducing a few unnecessary names.

The present catalog is hopefully an improvement over Fluke's work but the large part of the credit for this improvement is due to his pioneering work and Goot's corrections. Besides the corrections of earlier errors, the other improvements in the present catalog stem from the use of a new higher classification of the family, as mentioned above. As a result our work, which tends to recognize distinct genera for the Neotropical species rather than to include them in worldwide genera as did earlier workers, contains many new combinations.

This catalog contains about 1,000 new combinations and synonyms. Most of these new changes have been indicated but undoubtedly some have escaped our notice. Many of the synonymies and combinations involving species of the earlier workers are based on the work of Vockeroth, who studied types of their species during trips to Europe in 1969 and 1971. Some of the other changes resulted from a short visit to the British Museum (Natural History) by Thompson and the loan of selected types by various curators to him. For all the gracious cooperation we received during our studies, we are very grateful to those curators listed below by their respective museums.

An attempt is made to list the depository of all the types of Neotropical species. These statements about type depositories start with an indication of the number of types, followed by the sex of the type or types and end with an abbreviation for the depository. The singular, type, is used when the species was described from a single specimen or a holotype or lectotype was or has been designated [in the case of lectotypes, reference to the designation is given]; the plural, types, when the species was described from a series and no lectotype has been designated; and "type(s)" when we are uncertain of the number of types involved. The sex of the type or types is indicated by a sex symbol or query when the sex is unknown. The types are assumed to be where they were reported to be deposited either in the original publication or in other references (such as Horn & Kahle, 1935-37; Sachtleben, 1961; Byers *et al.*, 1962; and Zimsen, 1964). In cases of doubt about the depository of a type a query is added after the abbreviation for depository and when the depository is unknown only a query is used. All types seen by the authors are marked with an asterisk after the depository abbreviation. In a few cases where the type is missing, lost or destroyed this information is included in parentheses after the abbreviation and with either a reference to the source of the information or initials, which indicates which one of us has noted it.

AMNH	The American Museum of Natural History, New York (P. Wygodzinsky*)
ANSP	Academy of Natural Sciences, Philadelphia (D. Rentz*)
BM(NH)	British Museum (Natural History), London (K.G.V. Smith*)
CAS	California Academy of Sciences, San Francisco (P. H. Arnaud, Jr.*)
CM	Carnegie Museum, Pittsburg (G. Wallace*)



CNC	Canadian National Collection, Ottawa (J. R. Vockeroth)
CNHM	Chicago National History Museum (Field Museum...), Chicago
CU	Cornell University, Ithaca (L. L. Pechuman*)
DEI	Deutsches Entomologisches Institut, Eberswalde
ENA	Escola Nacional de Agronomia, Rio de Janeiro
Hull	Collection of F. M. Hull (now in the CNC).
HZM	Zoologisches Staatsinstitut und Zoologisches Museum, Hamburg
IML	Instituto Miguel Lillo, Tucumán
IOC	Instituto Oswaldo Cruz, Rio de Janeiro (H. S. Lopes)
Kiel	Fabricius Collection of Kiel Museum, now housed at MC
LSL	Linnean Society of London, Linnean Collection, now housed at BM(NH)
MA	Zoologisch Museum, Amsterdam (W. Ellis*)
MACN	Museo Argentino de Ciencias Naturales "Bernardino Rivada- via", Buenos Aires
MC	Universitetets Zoologiske Museet, Copenhagen (L. Lyneborg*)
MCSNG	Museo Civico di Storia Naturale "Giacomo Doria", Genova (D. Guiglia*)
MCSNM	Museo Civico di Storia Naturale, Milan (C. Leonardi*)
MCZ	Museum of Comparative Zoology, Cambridge (H. E. Evans*)
MD	Staatliches Museum für Tierkunde, Dresden
MIZUN	Museo dell' Istituto di Zoologia dell' Università di Napoli, Naples
ML	Rijksmuseum van Natuurlijke Historie, Leiden (P. J. van Helsdingen*)
MNHN	Muséum National d'Histoire Naturelle, Paris (L. Tsacas*)
MNHNS	Museo Nacional de Historia Natural, Santiago (J. Moroni B.*)
MRHNB	Musée Royal d'Histoire Naturelle de Belgique, Brussels
MUNP	Museo, Universidad Nacional de La Plata, La Plata
MZM	Museum of Zoology, University of Michigan, Ann Arbor
MZUF	Museo Zoologico dell'Università di Firenze, Florence (S. Car- fi*)
MZUSP	Museu de Zoologia da Universidade de São Paulo (formely Departamento de Zoologia, Secretaria da Agricultura) (N. Papavero*)
NMB	Naturhistorisches Museum, Basel (F. Keiser*)
NMPP	Národní Muzeum v Praze — Přírodovědecké Muzeum, Pra- gue (J. Jezék*)
NRS	Naturhistoriska Riksmuseet, Stockholm (P. I. Persson*)
OhSU	Ohio State University, Columbus
OXF	Hope Department of Entomology, Oxford University, Oxford (D. M. Ackland*)
Seabra	Collection of C. A. Campos Seabra, Rio de Janeiro
SMF	Senckenbergisches Museum, Frankfurt (W. Tobias*)
Thompson	Collection of F. C. Thompson
UCD	University of California, Davis
UCSC	Centro de Estudios Entomológicos, Universidad de Chile, Santiago
UCVC	Instituto de Biología, Departamento de Ciencias, Universidad de Chile, Valparaiso



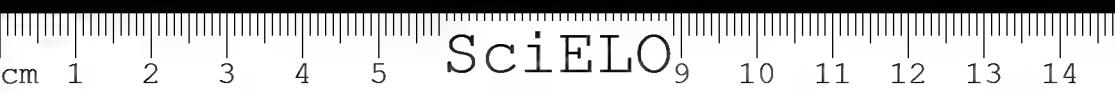
UK	Snow Entomological Museum, University of Kansas, Lawrence (G. Byers*)
UNMB	Természettudományi Múzeum, Budapest
USNM	United States National Museum, Washington (L. Knutson, USDA, Systematic Entomology Laboratory*)
UTOR	Istituto e Museo di Zoologia di Torino, Turin
UZMH	Universitets Zoologiska Museum, Helsinki (W. Hackman*)
VMNH	Naturhistorisches Museum, Vienna (A. Kaltenbach*, R. Lichtenberg*)
ZMB	Institut für Spezielle Zoologie und Zoologisches Museum der Humboldt-Universität zu Berlin, Berlin
ZML	Zoological Museum, Lund (H. Andersson*)
ZSM	Zoologische Staatssammlung, Munich

Geographical distribution is compiled only from Fluke's catalog (1956-57) and material seen by us. Other published distribution records not in Fluke or verified by us are not included and where we question the distribution records in Fluke, we have tried to indicate the source of the record. We have attempted to list the states or provinces of the various countries when specific locality data was available except only when the northern and southernmost Chilean province is given.

The arrangement of genera in the various subfamilies and tribes is shown, with an indication of the number of species, and a summary of the total number of species included in the major divisions of the family.

SYRPHINAE	(682)
Syrphini	(445)
Syrphus	7
Metasyrphus	1
Eupeodes	1
Scaeva	3
Notosyrphus	1
Dasysyrphus	1
Dideomima	1
Megasyrphus	1
Pseudodoros	1
Ocyrtamus	297
Salpingogaster	34
Salpingogaster	(32)
Eosalpingogaster	(2)
Allograpta	74
Sphaerophoria	3
Unrecognized	20
Chrysotoxini	(2)
Chrysotoxum	2
Paragini	(1)
Paragus	1
Melanostomatini	(91)

Carposcalis	15
Melanostoma	5
Rhysops	31
Xanthandrus	12
Talaha	1
Tuberculanostoma	4
Leucopodella	18
Unrecognized	5
Toxomerini	(143)
Toxomerus	143
MICRODONTINAE	(175)
Paragodon	2
Paramicrodon	2
Argentinomyia	8
Argentinomyia	(7)
Eurypterosyrphus	(1)
Mixogaster	17
Microdon	145
Ceratophya	(4)
Rhopalosyrphus	(2)
Rhoga	(5)
Ceriomicrodon	(1)
Masarygus	(5)
Ubristes	(25)
Microdon	(103)
Nothomicrodon	1
MILESIINAE	(774)
Pipizini	(17)
Pipiza	6
Trichopsomyia	11
Cheilosini	(8)
Cheilosia	5
Cheilosia	(3)
Cartosyrphus	(2)
Rhingia	2
Chamaesyrphus	1
Volucellini	(318)
Ornidia	3
Tachinosyrphus	1
Copestylum	314
Callicerini	(2)



Callicera	1
Notiocheilosia	1
Sericomyiini	(1)
Arctophila	1
Chrysogasterini	(43)
Lepidomyia	14
Myolepta	12
Myolepta	(6)
Protolepidostola	(6)
Chromochellosia	3
Orthonevra	10
Cacoceria	2
Chamaesphegina	2
Eumerini	(15)
Eumerus	1
Alipumilio	4
Nausigaster	10
Ceriodini	(48)
Sphiximorpha	24
Monoceromyia	7
Polybiomyia	15
Unplaced	2
Eristalini	(222)
Helophilus	2
Polydontomyia	1
Aemosyrphus	3
Dolichogyna	11
Dolichogyna	(4)
Nosodepus	(7)
Quichuana	25
Mallota	13
Habromyia	12
Eristalis	9
Eristalis	(1)
Eoseristalis	(8)
Lycastrihyncha	5
Palpada	102
Meromacrus	39
Milesiini	(100)
Xylota	9
Neplas	27
Cerilogaster	11

Macrometopia	1
Sterphus	11
Sterphus	(2)
Crepidomyia	(9)
Odyneromyia	2
Valdiviomyia	6
Aneriophora	1
Flukea	1
Criorhina	3
Philippimyia	1
Blera	1
Syritta	2
Senogaster	1
Tropidea	6
Milesia	5
Spilomyia	6
Stilbosoma	2
Hemixylota	3
unplaced species	1
Unrecognized syrphids	6
	<hr/>
	1,637

The initial manuscript and literature survey for this catalog was completed by 15 May 1972, although some later references have been included in part. The last Zoological Record checked was 1968.

New names proposed in this catalog

Valdiviomyia Vockeroth
Ocyptamus isthmus Thompson
Ocyptamus octomaculatus Thompson
Ocyptamus willistoni Thompson
Allograpta rhina Thompson
Toxomerus hulli Sedman
Microdon anax Thompson
Copestylum colombiense Thompson
Copestylum dichopticum Thompson
Copestylum neosplendens Thompson
Copestylum neotropicum Thompson
Copestylum rufitarse Thompson
Copestylum shannoni Thompson
Copestylum trituberculatum Thompson
Copestylm vittatum Thompson
Quichuana nigricans Thompson
Palpada geniculosa Thompson
Palpada rufipedes Thompson
Cerogaster hinei Thompson



Subfamily SYRPHINAE

Tribe SYRPHINI

Ref. — Vockeroth, 1969 (generic rev.).

Genus SYRPHUS Fabricius

- SYRPHUS Fabricius, 1775:762. Type-species, *Musca ribesii* Linnaeus (see Wirth et al. 1965:558) to preserve established usage. Ref. — Fluke, 1942 (rev.).
- OCTOMACULATUS Walker, 1837:344. Type-locality: "Chile". Distr. — Chile (Curicó-Magallanes), Argentina. Type ♀ BM(NH)*. Ref. — Fluke, 1942:3, Fig. 1 (abdomen).
- gayi* Macquart, 1842:150 (90), pl. 13, fig. 8 (head). Type-locality: "Chile". Type ♀ MNHN*.
- testaceicornis* Macquart, 1850:457 (153), pl. 14, fig. 12 (head). Type-locality: "Chile". Type ♀ MNHN* N. SYN.
- patagonus* Lynch Arribálzaga, 1892a:115 (1892c:73). Type-locality: Argentina, Patagonia, Río Gallegos. Type(s) ? MACN.
- PALLIPES Bigot, 1884b:93. Type-locality: "Chile". Distr. — Chile, Argentina. Types ♂ OXF*.
- flavipes* Shannon & Aubertin, 1933:127, fig. 22a (abdomen), 22b (abdomen) (*Scaeva*). Type-locality: "Chile". Types ♂ OXF* N. SYN.
- PHAEOSTIGMA Wiedemann, 1830:130. Type-locality: "Brazil". Distr. — (Santa Catarina, Rio de Janeiro), Argentina (Tucumán). Types ♂ VMNH* Ref. — Fluke, 1942:2 (redescription), fig. 3 (abdomen); Fluke, 1950a:117, fig. 15 (male genitalia).
- POECHLOGASTER Philippi, 1865:746. Type-locality: Chile, Valparaíso. Distr. — Chile (Malleco-Magallanes). Type(s) ? MNHNS.
- REEDI Shannon, 1927a:27. Type-locality: Chile, Valparaíso. Distr. — Chile, Brazil, Argentina. Type ♂ USNM*.
- similis* Blanchard, 1852:410 (preocc. Fallén, 1817). Type-locality: Chile, Santa Rosa. Type ♀ MNHM*.
- pseudoribesii* Vimmer & Soukup, 1938:30. Type-locality: Peru, Puno. Type ♂ NMPP* N. SYN.
- SHORAE Fluke, 1950b:440 (nom. nov. for *willistoni* Fluke). Distr. — Mexico, Guatemala, Honduras, Costa Rica, Panama, Colombia, Ecuador, Chile, Argentina. Refs. — Fluke 1942:22, fig. 2 (abdomen); Fluke, 1950a:117, fig. 14 (male genitalia).
- bisinuatus* Williston, 1891:17 (preocc. Palma, 1863). Type-locality: Mexico, Guerrero, Omiltemi, 8,000 ft.; Costa Rica, Volcan de Irazu, 6,000-7,000 ft., Río Sucio. Types ♀ BM(NH)* & AMNH*.
- willistoni* Fluke, 1942:3 (nom. nov. for *bisinuatus* Williston; but preocc. Cockerell, 1909).
- VITRIPENNIS Meigen, 1822:308. Type-locality: "Europe". Distr. — Holarctic; ?Mexico, Mexico City (Fluke, 1942:3). Type(s) ? MNHN Ref. — Fluke, 1950a:117, fig. 11 (male genitalia).
- ribesii* Linnaeus of Williston, 1891:17 and Giglio-Tos, 1893:27.

Genus METASYRPHUS Matsumura

- METASYRPHUS Matsumura, in Matsumura & Adachi, 1917:147. Type-species, *Syrphus corollae* Fabricius (orig. des.).
- Posthosyrphus* Enderlein, 1938:204. Type-species, *Syrphus americanus* Wiedemann (orig. des.). Ref. — Fluke, 1952 (rev.).
- AMERICANUS (Wiedemann), 1830:129 (*Syrphus*). Type-locality: "North America". Distr. — North America; Middle America, Colombia. Type ♀ VMNH (not found-JRV). Ref. — Fluke, 1950a:132, figs. 184-186 (male genitalia).
- wiedemanni* Johnson, 1919:32 (*Syrphus*; unjustified nom. nov. for *americanus* Wiedemann).
- var. FLAVIPES (Enderlein), 1938:205 (*Posthosyrphus*). Type-locality: Colombia, Bogotá. Type ♀ ZMB.

Genus EUPEODES Osten Sacken

- EUPEODES Osten Sacken, 1877:328. Type-species, *volucris* Osten Sacken (mon).
- Posthonia* Enderlein, 1938:203. Type-species, *longipenis* Enderlein (orig. des.).
- VOLUCRIS Osten Sacken, 1877:329. Type-locality: U.S.A., California, Los Angeles, Marin County, Yosemite; Nevada; Utah; Colorado, Denver, Clear Creek, Spanish Peaks. Distr. — North America; Mexico (south to Chiapas), Colombia?. Types ♂ ♀ MCZ* Ref. — Vockeroth, 1969:150, fig. 34 (male genitalia).
- ?*longipenis* Enderlein, 1938:203 (*Posthonia*). Type-locality: Colombia, Bogotá. Types ♂ ♀ ZMB.

Genus SCAEVA Fabricius

- SCAEVA Fabricius, 1805:248. Type-species, *Musca pyrastris* Linnaeus (Curtis, 1834: pl. 509). Ref. — Shannon & Aubertin, 1933 (key).
- MELANOSTOMA (Macquart), 1842:147 (87) (*Syrphus*). Type-locality: "Chile". Distr. — Ecuador (Azua), Peru (Puno), Chile (south to Magallanes), Argentina (Tucumán, Santa Cruz). Type ? MNHN*. Ref. — Shannon, 1927:28 (redescription); Shannon & Aubertin, 1933:130, fig. 23b (abdomen).
- latafascies* Macquart, 1850:456 (152) (*Syrphus*). Type-locality: "Chile". Types ♂ ♀ MNHN*.
- latifacies*, Fluke, 1956:213, misspelled.
- sexguttata* Wulp, 1882:135 (*Syrphus*). Type-locality: "Argentina". Type ♂ ♀ ML?
- simillima* Vimmer & Soukup, 1938:32 (*Syrphus*). Type-locality: Peru, Puno. Type ♀ NMPP* N. SYN.
- pyrastris* Linnaeus of Lynch Arribálzaga, 1892:121 (1892c:78), misident.
- OCCIDENTALIS Shannon, 1927a:29. Type-locality: Chile, Santiago. Distr. — Chile (Santiago-Aysén), Argentina (Tucumán, La Rioja, Mendoza, Neuquén, Río Negro). Type ♀ USNM* Ref. — Vockeroth, 1969:150, fig. 36 (male genitalia).
- sexmaculata* Macquart, 1850:457 (153) (*Syrphus*; preocc. Palisot de Beauvois, 1819). Type-locality: Chile. Type ♂ MNHN* N. SYN.
- chilensis* Goot, 1964:214 (*Syrphus*; unjustified nom. nov. for *sexmaculata* Macquart). N. SYN.



PUNCTATA Shannon & Aubertin, 1933:128, fig. 23a (abdomen). Type-locality: Argentina, Bariloche. Distr. — Argentina (Tucumán, Neuquén). Type ♂ USNM*.

Genus NOTOSYRPHUS Vockeroth

NOTOSYRPHUS Vockeroth, 1969:72. Type-species, *Metasyrphus golbachii* Fluke (orig. des.).

GOLBACHI (Fluke), 1950b:447, fig. 9 (abdomen), 10 (head) & 11 (male genitalia) [*Metasyrphus* (*Posthosyrphus*)]. Type-locality: Argentina, Tucumán, Villa Padre Monti. Distr. — Brazil (São Paulo, Santa Catarina, Paraná), Argentina (Tucumán, La Rioja). Type ♂ IML. Ref. — Vockeroth, 1969:151, fig. 38 (male genitalia).

Genus DASYSYRPHUS Enderlein

DASYSYRPHUS Enderlein, 1938:208. Type-species, *Scaeva albostrata* Fallén (orig. des.).

LOTUS (Williston), 1887:75 (*Syrphus*). Type-locality: U.S.A., Arizona. Distr. — Western U.S.A.; Mexico (Mexico City), Ecuador? (Fluke, 1942:3). Type ♀ USNM.

Genus DIDEOMIMA Vockeroth

DIDEOMIMA Vockeroth, 1969:107. Type-species, *Didea coquilletti* Williston (orig. des.).

COQUILLETI (Williston), 1891:19, pl. 1:9 (habitus), 9a (head) (*Didea*). Type-locality: Mexico, Guerrero, Omiltemi, 8,000 ft. Distr. — Mexico (Durango, Jalisco, Guerrero, Chiapas). Types ♂ ♀ BM (NH)* & AMNH*. Refs. — Hull, 1925c:280, fig. 2 (abdomen), 6 (wing); Vockeroth, 1969:147, fig. 20 (wing tip), 161, fig. 67 (male genitalia).

Genus MEGASYRPHUS Dusek & Láska

MEGASYRPHUS Dusek & Láska, 1967:363. Type-species, *Scaeva annulipes* Zetterstedt (orig. des.).

LAXUS (Osten Sacken), 1875:66 (*Didea*). Type-locality: U.S.A., Michigan, Lake Superior; Maine, Norway; New Hampshire, Mt. Washington, Alpine region. Distr. — Alaska to Newfoundland, south to U.S.A. (California & North Carolina), Mexico. Types ♂ ♀ MCZ*. Ref. — Fluke, 1950a:126, figs. 111, 112 (male genitalia).

Genus PSEUDODOROS Becker

PSEUDODOROS Becker, 1903:92. Type-species, *nigricollis* Becker (mon.). *Baccha*, subg. *Dioprosopa* Hull, 1949e:99 (also, 1949d:296). Type-species, *Syrphus clavatus* Fabricius (mon.) N. SYN.

CLAVATUS (Fabricius), 1794:298 (*Syrphus*). Type-locality: "Americae meridionalis Insulis". Distr. — U.S.A. (California to Wisconsin and



New Jersey) south to Brazil. Types ♂ ♀ MC*. Ref. — Hull, 1949e:192, fig. 7 (abdomen); Hull, 1949d:288, fig. 9a (head). N. COMB.

scutellaris Walker, 1837:342 (*Paragus*?). Type-locality: "Brazil, St. Paul". Type ? BM(NH).

varia Walker, 1849:548 (*Baccha*). Type-locality: ? Types ? BM(NH).

facialis Thomson, 1869:504 (*Baccha*). Type-locality: Galápagos Islands. Types ♀ NRS*.

scutellata Williston, 1886:322 (?*Mixogaster*), misspelling.

Genus OCYPTAMUS Macquart

OCYPTAMUS Macquart, 1834:554. Type-species, *fascipennis* Macquart (Coquillett, 1910a:577) = *fuscipennis* Say.

Baccha, authors.

Calostigma Shannon, 1927a:8. Type-species, *elnora* Shannon (orig. des.) N. SYN.

Callostigma, Curran, 1930f:8, 1930e:15, 1941:257, misspelled.

Callistigma, Hull, 1944j:41, misspelled.

Baccha, subg. *Pelecinobaccha* Shannon, 1927a:10. Type-species, *peruviana* Shannon (orig. des.). N. SYN.

Pipunculosyrphus Hull, 1937:29. Type-species, *globiceps* Hull (orig. des.). N. SYN.

Baccha, subg. *Styxia* Hull, 1943j:46. Type-species, *ebilis* Hull (orig. des.). N. SYN.

Baccha, subg. *Mimocalla* Hull, 1943j:46. Type-species, *Baccha capitata* Loew (orig. des.). N. SYN.

Baccha, subg. *Therantha* Hull, 1943j:47. Type-species, *Baccha atypica* Curran (orig. des.). N. SYN.

Callisyrphus Frey, 1946:154. Type-species, *Syrphus rubricosus* Wiedemann (orig. des.) (1st reviser, Fluke, 1956:199). N. SYN.

Calliscaeva Frey, 1946:171. Incorrect original spelling.

Orphnabaccha Hull, 1949e:93. Type-species, *Baccha coerulea* Williston (orig. des.). N. SYN.

Baccha, subg. *Atylobaccha* Hull, 1949e:94. Type-species, *Baccha flukiella* Curran (orig. des.). N. SYN.

Baccha, subg. *Aulacibaccha* Hull, 1949e:96. Type-species, *Baccha titan* Hull (orig. des.). = *arx* Fluke. N. SYN.

Mercurymyia Fluke, 1950a:140. Type-species, *Syrphus caldus* Walker (orig. des.). N. SYN.

Hermesomyia Vockeroth, 1969:121. Type-species, *bacchiformis* Vockeroth (orig. des.) = *phobifer* Hull. N. SYN.

Pseudoscaeva Vockeroth, 1969:123. Type-species, *Syrphus diversifasciatus* Knab (orig. des.). N. SYN.

Ref. — Curran, 1941 (key); Hull, 1949e (rev., key).

ABATA (Curran), 1938:1 (*Baccha*). Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil (São Paulo, Santa Catarina). Type ♀ AMNH (missing)* Ref. — Hull, 1949e:222, fig. 143 (abdomen); 254, fig. 282 (wing). N. COMB.

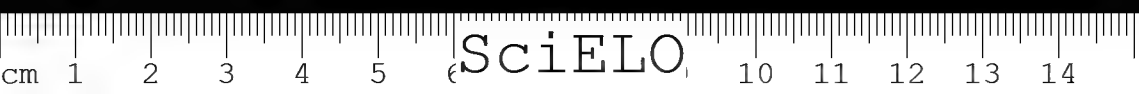


- ADA (Curran), 1941:278 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:135 (redescription), 194, fig. 20 (abdomen); 216, fig. 116 (abdomen). N. COMB.
- ADSPERSUS (Fabricius), 1805:200 (*Baccha*). Type-locality: "America meridionali". Distr. — Mexico (Chiapas), Colombia, Guyana, Panama, Ecuador, Peru, Brazil, Bolivia. Type ♀ MC*. Ref. — Hull, 1943j:65, fig. 2 (alula); 1949e:138 (redescription), 198, fig. 33 (abdomen). N. COMB.
- punctata* Shannon, 1927a:11 (*Baccha*). Type-locality Bolivia, Beni, San Antonio. Type ♂ USNM*.
- AENEUS (Williston), 1891:37, pl. 1:10 (habitus), 10a (head) (*Baccha*). Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas, 9500 ft. Distr. — same. Types ♂ BM(NH). N. COMB.
- AEOLUS (Hull), 1943j:69, fig. 40 (abdomen) (*Baccha*). Type-locality: Ecuador, Machai, Río Pastaza. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:198, fig. 40 (abdomen). N. COMB.
- AEQUILINEATUS (Hull), 1945b:71 (*Epistrophe*). Type-locality: Cuba, Pico Turquino, 6000 ft., Summit. Distr. — same. Type ♀ MCZ*. N. COMB.
- AGILIS (Bigot), 1884b:92 (*Syrphus*). Type-locality "Mexico". Distr. — same. Type ♀ OXF? N. COMB.
- ALICIA (Curran), 1941:278 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (São Paulo, Santa Catarina). Type ♀ AMNH*. Ref. — Hull, 1949e:140 (redescription), 214, fig. 112 (abdomen). N. COMB.
- AMABILIS (Hull), 1943k:39 (*Baccha*). Type-locality Peru, Loreto, Iquitos. Distr. — same. Type ♂ USNM. Ref. — Hull, 1949e:192, fig. 4 (abdomen); 276, fig. 367 (wing). N. COMB.
- AMPLUS (Fluke), 1942:6, fig. 7 (abdomen) (*Epistrophe*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (São Paulo, Santa Catarina), Paraguay, Argentina (Tucumán). Type ♂ AMNH*. Ref. — Fluke, 1950a:125, fig. 98 (male genitalia); Vockeroth, 1969:164, fig. 76 (male genitalia). N. COMB.
- ANERA (Curran), 1939d:5 (*Baccha*). Type-locality: Brazil, Rondônia, Rio Madeira, Porto Velho. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:246, fig. 257 (abdomen); 266, fig. 332 (wing). N. COMB.
- ANNULATUS (Curran), 1941:258 (*Callostigma*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Tucumán). Type ♂ AMNH*. Ref. — Hull, 1949e:230, fig. 184 (abdomen); 260, fig. 310 (wing). N. COMB.
- ANONA (Hull), 1943j:91, fig. 2 (alula), 8 (abdomen) (*Baccha*). Type-locality: Ecuador, Oriente, Puyo. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:192, fig. 8 (abdomen). N. COMB.
- ANTHINONE (Hull), 1949e:179 (*Baccha*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull. N. COMB.
- ANTHIPHATES (Walker), 1849:589 (*Syrphus*). Type-locality: "Jamaica". Distr. — same. Type ♂ BM(NH). N. COMB.
- ARABELLA (Hull), 1947a:400 (*Baccha*). Type-locality: Costa Rica, La Suiza. Distr. — same. Type ♀ USNM. Ref. — Hull, 1949e:222, fig. 144 (abdomen); 266, fig. 335 (wing). N. COMB.

- ARETHUSA (Hull), 1949e:181 (*Baccha*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♀ Hull. N. COMB.
- ARGENTINUS (Curran), 1939d:6 (*Baccha*). Type-locality: "Argentina". Distr. — Brazil (São Paulo, Santa Catarina), Argentina. Type ♂ AMNH*. Ref. — Hull, 1949e:248, fig. 265 (abdomen); 266, fig. 328 (wing). N. COMB.
- ARIELA (Hull), 1944i:398 (*Baccha*). Type-locality: "Brazil". Distr. — same. Type ♀ VMNH. Ref. — Hull, 1949e:142 (redescription), 200, fig. 49 (abdomen); 270, fig. 349 (wing). N. COMB.
- ARX (Fluke), 1936:60, fig. 2 (abdomen), 3 (wing) (*Baccha*). Type-locality: Brazil, "Ccis Parma Cos". Distr. — Brazil (Rio de Janeiro, Santa Catarina). Type ♂ AMNH*. Ref. — Hull, 1949e:248, figs. 259-261 (abdomens); 274, fig. 361 (wing). N. COMB.
- titan* Hull, 1947a:395 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ AMNH*. N. SYN.
- ASTER (Curran), 1941:278 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:200, fig. 41 (abdomen); 232, fig. 187 (abdomen); 238, fig. 216 (abdomen). N. COMB.
- ATTENUATUS (Williston), 1891:35 (*Baccha*). Type-locality: Mexico, Guerrero, Amula, 6000 ft.; Omiltemi, 8000 ft. Distr. — same. Types ♂ ♀ BM(NH)*. Ref. — Hull, 1949e:252, fig. 277 (abdomen). N. COMB.
- ATYPICUS (Curran), 1930a:10 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Mexico, Surinam, Guyana, Brazil. Type ♀ AMNH*. Ref. — Hull, 1949e:204, fig. 68 (abdomen); Doesburg, 1966:69, fig. 58 (habitus). N. COMB.
- AURORA (Hull), 1943:73 (*Baccha*). Type-locality: Paraguay, Villarica. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:208, fig. 79 (abdomen). N. COMB.
- BANKSI (Hull), 1941g:150 (*Baccha*). Type-locality: Panama, Bella Vista. Distr. — same. Type ♂ MCZ. Ref. — Hull, 1949e:252, fig. 280 (abdomen). N. COMB.
- PASSLERI (Curran), 1939d:8 (*Baccha*). Type-locality: Peru, Middle Río Ucayali. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:238, fig. 219 (abdomen); 256, fig. 297 (wing). N. COMB.
- BEATRICEA (Hull), 1942c:73 (*Baccha*). Type-locality: Brazil, São Paulo (Hull, 1949e:144). Distr. — Brazil (São Paulo, Santa Catarina). Type ♀ Hull. Ref. — Hull, 1949e:144 (redescription), 202, fig. 53 (abdomen ♀); 220, fig. 137 (abdomen ♂); 272, fig. 354 (wing ♂); 284, fig. 391 (wing ♀). N. COMB.
- BIVITTATUS (Curran), 1941:276 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:200, fig. 48 (abdomen); 278, fig. 372 (wing). N. COMB.
- BONARIENSIS (Brèthes), 1905:340 (*Baccha*). Type-locality: Argentina, Buenos Aires. Distr. — same. Type ♂ MACN. N. COMB.
- BRAZILIENSIS (Curran), 1939d:9 (*Baccha*). Type-locality: Brazil, Mato Grosso, Poxoréu, Coronel Ponce. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:212, fig. 101 (abdomen); 282, fig. 387 (wing). N. COMB.
- BREVIPENNIS (Schiner), 1868:341 (*Baccha*). Type-locality: "South America". Distr. — Peru. Types ♂ ♀ VMNH*. Ref. — Hull, 1949e:204, fig. 64 (abdomen); 268, fig. 343 (wing). N. COMB.



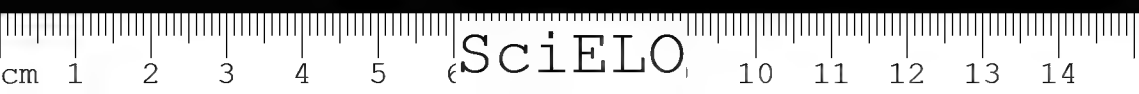
- BROMLEYI (Curran), 1929:490 (*Baccha*). Type-locality: Cuba, Santiago, Las Vegas. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:218, fig. 123 (abdomen); 274, fig. 362 (wing). N. COMB.
- BRUNNIPENNIS (Hull), 1942c:73 (*Baccha*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ Hull. Ref. — Hull, 1949e:206, fig. 76 (abdomen). N. COMB.
- CALDUS (Walker), 1852:232 (*Syrphus*). Type-locality: "Brazil". Distr. — Brazil (São Paulo, Santa Catarina), Paraguay, Argentina (Tucumán). Type ♂ BM(NH)*. Ref. — Vockeroth, 1969:163, fig. 75 (male genitalia). N. COMB.
- biarcuatus* Fluke, 1937:4, fig. 6 (abdomen) (*Epistrophe*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ AMNH*.
- CALLA (Curran), 1941:268 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Tucumán). Type ♂ AMNH*. N. COMB.
- CALLIDUS (Hine), 1914:335 (*Baccha*). Type-locality: Guatemala, Puerto Barrios. Distr. — same. Type ♂ OhSU. Ref. — Hull, 1949e:250, fig. 270 (abdomen). N. COMB.
- CAPITATUS (Loew), 1863:14 (1864b:116) (*Baccha*). Type-locality: "Cuba". Distr. — same. Type ♂ MCZ. Ref. — Hull, 1949e:196, fig. 22 (abdomen); 238, fig. 223 (abdomen); 240, fig. 227 (abdomen); 266, fig. 330 (wing). N. COMB.
- CARLOTA (Curran), 1929:491 (*Baccha*). Type-locality: Cuba, Trinidad Mts., Mina Carlota. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:238, fig. 224 (abdomen); 268, fig. 340 (wing). N. COMB.
- CECROPS (Hull), 1958:429 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ Hull. N. COMB.
- celia* (Hull), 1949e:214, fig. 108 (abdomen) (*Baccha*). Type-locality: ? Distr. — ? Type(s) ♀ ? *Nomen nudum*.
- CEREBERUS (Hull), 1943j:66 (*Baccha*). Type-locality: Ecuador, Chicocha. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:234, fig. 203 (abdomen). N. COMB.
- CHAPADENSIS (Curran), 1930a:14 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:240, fig. 226 (abdomen); 256, fig. 290 (wing). N. COMB.
- CLARAPEX (Wiedemann), 1830:124 (*Syrphus*). Type-locality: "Brazil". Distr. — Brazil (Mato Grosso, Santa Catarina), Argentina (Misiones, Tucumán, Salta). Type ♀ VMNH*. Ref. — Hull, 1949e:194, fig. 14 (abdomen). N. COMB.
- COBBOLDIA (Hull), 1958:431 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ Hull. N. COMB.
- COCHENTILLIVORUS (Guérin-Méneville), 1848a:lxxxi (1848b:350) (*Baccha*). Type-locality: "l'Antigua Guatemala". Distr. — same. Type ? MNHN*. N. COMB.
- COERULEUS (Williston), 1891:38 (*Baccha*). Type-locality: Mexico, Guerrero; Omiltemi, 8000 ft.; Amula, 6000 ft.; Xucumanatlán, 7000 ft.; Sierra de las Aguas Escondidas, 9500 ft. Distr. — U.S.A. (Texas), Mexico (Durango, Sinaloa, Morelos, Guerrero, Chiapas). Types ♂ ♀ BM(NH)*. Ref. — Hull, 1949e:224, fig. 159 (abdomen), 272, fig. 355 (wing); Vockeroth, 1969:163, fig. 74 (male genitalia). N. COMB.
- COLOMBIANUS (Curran), 1941:282 (*Baccha*). Type-locality: Colombia, Magdalena, Río Frio, Cerro Patrón. Distr. — same. Type ♂ AMNH*.



- Ref. — Hull, 1949e:214, fig. 109 (abdomen); 270, fig. 346 (wing).
N. COMB.
- CONCINNUS (Williston), 1891:38 (*Baccha*). Type-locality: Mexico, Chilpancingo, 4600 ft.; Guerrero, Venta de Zopilote, 2800 ft; Tabasco, Teapa. Distr. — same. Types ♂ ♀ BM(NH). N. COMB.
- CONFORMIS Loew, 1866b:38 (1872b:98). Type-locality: "Cuba". Distr. — same. Type ♀ MCZ.
- CONFUSUS (Goot), 1964:213 (*Baccha*; nom. nov. for *Baccha valdiviana* Philippi). Distr. — Chile. N. COMB.
- valdiviana* Philippi, 1865:750 (*Baccha*; preocc. Philippi, 1865:748). Type-locality: Chile, Corral. Type ? MNHNS.
- CONJUNCTUS (Wiedemann), 1830:116 (*Syrphus*). Type-locality: "South America". Distr. — Brazil. Type ♂ MC*. N. COMB.
- CORA (Curran), 1941:281 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:144 (redescription); 194, fig. 16 (abdomen); 278, fig. 374 (wing); 284, fig. 390 (wing). N. COMB.
- CORDELIA (Hull), 1949e:186 (*Baccha*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♀ Hull. N. COMB.
- COREOPSIS (Hull), 1944j:41 (*Callistigma*). Type-locality: Peru, Putumayo Distr., El Encanto. Distr. — same. Type ♂ CU. Ref. — Hull, 1949e:206, fig. 75 (abdomen). N. COMB.
- COSTATUS (Say), 1829:161 (*Baccha*). Type-locality: U.S.A., Indiana. Distr. — Canada (Ontario), to U.S.A. (New Hampshire, south to Louisiana); Cuba. Type ♀ lost. Ref. — Hull, 1949e:147 (redescription); 224, fig. 152 (abdomen ♀); 228, fig. 169 (abdomen ♂); 280, fig. 376 (wing). N. COMB.
- ?CRASSUS (Walker), 1852:222 (*Baccha*). Type-locality: Brazil. Distr. — same. Type ♂ BM(NH). N. COMB.
- CROCATUS (Austen), 1893:155, pl. 5:5 (habitus) (*Baccha*). Type-locality: Brazil, Region of Amazon. Distr. — Mexico, Panama, Brazil. Type ♀ BM(NH). Ref. — Hull, 1949e:198, fig. 35 (abdomen); 202, fig. 57 (abdomen). N. COMB.
- CROCEUS (Austen), 1893:157, pl. 5:6 (habitus) (*Baccha*). Type-locality: Brazil, Region of Amazon. Distr. — Panama, Brazil. Types ♂ BM(NH). Ref. — Hull, 1949e:200, fig. 47 (abdomen ♂); 210, fig. 88 (abdomen ♀) N. COMB.
- CRYPTICUS (Hull), 1942a:97 (*Baccha*). Type-locality: Paraguay, Villarica. Distr. — same. Type ♂ MCZ*. Ref. — Hull, 1949e:149 (redescription); 216, fig. 121 (abdomen). N. COMB.
- CUBANUS (Hull), 1949j:62, fig. 25 (abdomen) (also, 1944c:30) (*Baccha*). Type-locality: Cuba, Soledad. Distr. — U.S.A. (Georgia), south to Cuba. Type ♀ MCZ. Ref. — Hull, 1949e:196, fig. 25 (abdomen). N. COMB.
- CUBENSIS (Macquart), 1850:465 (161) (*Baccha*). Type-locality: "Cuba". Distr. — same. Type ♀ MNHN*.
- CULTRATUS (Austen), 1893:151, pl. 5:8-9 (habitus) (*Baccha*). Type-locality: Brazil, Pará, Santarém. Distr. — Guatemala, Guyana, Brazil. Types ♀ BM(NH). Ref. — Hull, 1949e:210, fig. 91 (abdomen). N. COMB.
- var. INCISUS (Hull), 1949e:128 (*Baccha*). Type-locality: ?? Distr. — ?? Type(s) ? ?
- var. PICTULUS (Hull), 1949c:737 (*Baccha*) [also 1949e:242, fig. 235 (abdomen)]. Type-locality: Guyana, Essequibo River, Moraballi Creek, Wallaba Forest. Distr. — same. Type ♂ BM(NH).



- CULTRINUS (Curran), 1939d:7 (*Baccha*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:210, fig. 92 (abdomen); 242, figs 236 & 241 (abdomen). N. COMB
- currani* Hull, 1941b:167 (*Baccha*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Type ♂ Hull.
- CYBELE (Hull), 1947b:236 (*Baccha*). Type-locality: Paraguay, Villarica. Distr. — same. Type ♂ USNM. Ref. — Hull, 1949e:150 (redescription), 216, fig. 117 (abdomen). N. COMB.
- CYCLOPS (Hull), 1947a:406 (*Baccha*). Type-locality: Colombia, Muzo. Distr. — same. Type ♂ Hull. Ref. — Hull, 1949e:234, fig. 196 (abdomen). N. COMB.
- CYLINDRICUS (Fabricius), 1781:429 (*Syrphus*). Type-locality: "Americae meridionalis insulis". Distr. — Jamaica, Haiti, Puerto Rico, Virgin Islands. Type ? Kiel* (only wings). Ref. — Hull, 1949e:218, fig. 130 (abdomen); 252, fig. 279 (abdomen); 280, fig. 380 (wing). N. COMB.
- CYMBELLINA (Hull), 1944g:63 (*Baccha*). Type-locality: Ecuador, Santo Domingo. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:218, fig. 128 (abdomen). N. COMB.
- DANAIDA (Hull), 1943i:74 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:218, fig. 122 (abdomen). N. COMB.
- DEBASA (Curran), 1941:272 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (São Paulo, Santa Catarina). Type ♀ AMNH*. Ref. — Hull, 1949e:218, fig. 129 (abdomen), 280, fig. 378 (wing). N. COMB.
- DECEPTOR (Curran), 1930a:14 (*Baccha*). Type-locality: Virgin Islands, St. Croix Islands. Distr. — Puerto Rico; Virgin Islands. Type ♂ AMNH*. Ref. — Hull, 1949e:234, fig. 197 (abdomen), 254, fig. 287 (wing). N. COMB.
- DECIPIENS (Williston), 1891:18 (*Syrphus*). Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft. Distr. — Mexico (Durango, Guerrero, Chiapas), Brazil. Types ♂ BM(NH)* & AMNH*. Ref. — Fluke, 1942:22, fig. 11 (abdomen); Vockeroth, 1969:164, fig. 77 (superior lobe). N. COMB.
- DELICATISSIMUS (Hull), 1943m:214 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (São Paulo, Santa Catarina). Type ♂ AMNH*. Ref. — Hull, 1949e:202, fig. 52 (abdomen); 252, fig. 278 (abdomen). N. COMB.
- DIANA (Hull), 1947a:408 (*Baccha*). Type-locality: Guyana, Georgetown. Distr. — same. Type ♂ Hull. Ref. — Hull, 1949e:234, fig. 204 (abdomen). N. COMB.
- DIFFUSUS (Curran), 1939d:4 (*Baccha*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:242, fig. 238 (abdomen); 256, fig. 295 (wing). N. COMB.
- DIMIDIATUS (Fabricius), 1781:434 (*Syrphus*). Type-locality "Americae meridionalis insulis". Distr. — Mexico south to Brazil; Dominican Republic, Puerto Rico, Lesser Antilles. Type ? ? Ref. — Hull, 1949e:240, fig. 232 (abdomen). N. COMB.
- divisa* Walker, 1857:156 (*Pipiza*). Type-locality: Mexico, Vera Cruz. Type ♀ BM(NH).
- dolosa* Walker, 1857:156 (*Pipiza*). Type-locality: Brazil?, "Valley of Amazon". Type ♂ BM(NH).



- var. RUFIFACIES (Doesburg), 1966:71 (*Baccha*). Type-locality: Surinam, Paramaribo. Distr. — same. Type ♂ Doesburg.
- DISJUNCTUS (Sack), 1921:132, fig. 3 (head), fig. 4 (mesonotum), fig. 5 (larva), fig. 6 (puparium) (*Doros*). Type-locality: Paraguay, St. Trinidad. Distr. — same. Types ♂ ♀ DEL. N. COMB.
- DIVERSIFACIATUS (Knab), 1914:151 (*Syrphus*). Type-locality: U.S.A., California, Walnut Creek. Distr. — Canada (British Columbia) to U.S.A. (Utah, south to California, Arizona); Mexico. Type ♂ USNM*. Ref. — Vockeroth, 1969:164, fig. 83 (male genitalia). N. COMB.
- var. MERIDIONALIS (Fluke), 1950b:446, fig. 7-8 (male genitalia) [*Stenosyrphus* (*Episyrphus*)]. Type-locality: Argentina, Tucumán, Villa Padre Monti. Distr. — Argentina (Tucumán, Salta). Type ♂ IML.
- DIVERSUS (Williston), 1891:16, pl. 1:6 (habitus), 6a (head) (*Syrphus*). Type-locality: Mexico, Guerrero; Omiltemi, 8000 ft., Xucumanatlán, 7000 ft. Distr. — Mexico (Guerrero, Chiapas). Types ♂ ♀ BM(NH)*. N. COMB.
- DOLOROSUS (Hull), 1950c:225 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ Hull. N. COMB.
- DRACULA (Hull), 1943a:52 (*Baccha*). Type-locality: Honduras, Puerto Castilla. Distr. — same. Type ♂ Hull. Ref. — Hull, 1949e:152 (re-description), 232, fig. 205 (abdomen). N. COMB.
- DRUIDA (Hull), 1947a:398 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Peru, Brazil (Santa Catarina, Paraná). Type ♂ AMNH*. Ref. — Hull, 1949e:248, fig. 258 (abdomen). N. COMB.
- DRYOPE (Hull), 1958:427 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ Hull. N. COMB.
- DUIDA (Hull), 1947b:238 (*Baccha*). Type-locality: Venezuela, Mt. Duida. Distr. — Venezuela, Argentina (Tucumán, Salta). Type ♂ AMNH*. Ref. — Hull, 1949e:250, fig. 267 (abdomen); 268, fig. 341 (wing). N. COMB.
- EBLIS (Hull), 1943j:65, fig. 85 (abdomen) (*Styxia*). Type-locality: Ecuador, Bolivar, Hda. Talahua. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:208, fig. 85 (abdomen). N. COMB.
- ELEGANS (Giglio-Tos), 1892d:2 (*Melanostoma*). Type-locality: Mexico, Orizaba. Types ♂ ♀ UTOR*. Ref. — Giglio-Tos, 1893:fig. 21 (head). N. COMB.
- ELNORA (Shannon), 1927a:9, fig. 5 (wing tip) (*Calostigma*). Type-locality: Bolivia, Beni, Rurrenabaque. Distr. — Ecuador, Peru (Cuzco), Bolivia. Type ♀ USNM. Ref. — Hull, 1949e:232, fig. 193 (abdomen); 260, fig. 308 (wing). N. COMB.
- EREBUS (Hull), 1943h:137 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:240, fig. 228 (abdomen). N. COMB.
- ERRATICUS (Williston), 1888:264 (*Syrphus*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Peru, Brazil (Mato Grosso). Types ♂ ♀ AMNH*. Ref. — Fluke, 1942:22, fig. 10 (head); Vockeroth, 1969:164, fig. 78 (superior lobe). N. COMB.
- ERUPTOVA (Hull), 1943k:40 (*Baccha*). Type-locality: Peru, Loreto, Iquitos. Distr. — same. Type ♀ USNM. Ref. — Hull, 1949e:204, fig. 61 (abdomen); 276, fig. 365 (wing). N. COMB.



- EXIGUUS (Williston), 1888:267 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Types ♂ ♀ AMNH*. Ref. — Hull, 1949e:200, fig. 46 (abdomen); 230, fig. 186 (abdomen). N. COMB.
- FASCIATUS Roeder, 1885:342. Type-locality: Porto Rico. Distr. — same. Type ♂ (Zool. Univ. Mus., Halle a. S.; Horn & Kahle, 1936:228).
- FERVIDUS (Austen), 1893:158, pl. 5:11 (habitus) (*Baccha*). Type-locality: Brazil, Pará, Santarém, R. Tapajós. Distr. — same. Type ♂ BM(NH). N. COMB.
- FIAMETTA (Hull), 1943j:75, fig. 13 (abdomen) (*Baccha*). Type-locality: Panama, Canal Zone, Barro Colorado. Distr. — same. Type ♂ Hull. Ref. — Hull, 1949e:153 (redescription), 194, fig. 13 (abdomen). N. COMB.
- FILII (Doesburg), 1966:73, fig. 59 (habitus, head, abdomen) (*Baccha*). Type-locality: Surinam, Paramaribo, Marienburg. Distr. — same. Type ♂ Doesburg. N. COMB.
- FILIOLUS (Shannon), 1927a:30 (*Baccha*). Type-locality: Chile, Valparaíso. Distr. — Chile (Valparaíso, Santiago). Type ♂ USNM. Ref. — Hull, 1949e:230, fig. 180 (abdomen). N. COMB.
- FILISSIMUS (Hull), 1943j:79, fig. 42 (abdomen) (*Baccha*). Type-locality: Colombia, Muzo. Distr. — same. Type ♀ Hull. Ref. — Hull, 1949e:200, fig. 42 (abdomen). N. COMB.
- FLATUS (Hull), 1940b:433 (*Baccha*). Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — same. Type ♂ Hull. Ref. — Hull, 1949e:202, fig. 56 (abdomen). N. COMB.
- lopesae* Curran, 1941:269 (*Baccha*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Tijuca. Type ♂ AMNH*. N. SYN.
- FLAVENS (Austen), 1893:153, pl. 5:10 (habitus) (*Baccha*). Type-locality: Brazil, Region of Amazon. Distr. — same. Type ♀ BM(NH). N. COMB.
- FLAVIPENNIS (Wiedemann), 1830:123 (*Syrphus*). Type-locality: "Brazil". Distr. — Colombia, Ecuador, Peru, Brazil (São Paulo, Mato Grosso). Types ♂ ♀ ZMB. Ref. — Hull, 1949e:204, fig. 65 (abdomen). N. COMB.
- FLUKEI (Curran), 1941:284 (*Salpingogaster*). Type-locality: Ecuador, Tungurahua, Baños. Distr. — same. Type ♂ AMNH. Ref. — Hull, 1949e:240, fig. 229 (abdomen). N. COMB.
- phobia* Hull, 1943c:51 [*Baccha* (*Mimocalla*)]. Type-locality: Ecuador, Tungurahua, Baños, Chaupi. Type ♂ AMNH*.
- FLUKIELLA (Curran), 1941:275 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:198, fig. 39 (abdomen). N. COMB.
- FRAGMENTARIUS (Hull), 1947a:405 (*Baccha*). Type-locality: Mexico, Tapachula Mts. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:242, fig. 237 (abdomen); 274, fig. 259 (wing). N. COMB.
- FRATERNUS Bigot, 1883b:324. Type-locality: "Mexico". Distr. — same. Type ♀ BM(NH)? N. COMB.
- FUNEBRIS Macquart, 1834:554. Type-locality: "Brazil". Distr. — U.S.A. (Texas), south to Brazil (São Paulo, Santa Catarina). Type(s) ♂ MNHN (lost?)*. Ref. — Hull, 1949e:276, figs. 160 & 162 (abdomens); 278, fig. 370 (wing). N. COMB.
- iridipennis* Walker, 1837:345 (*Syrphus*). Type-locality: "South America". Type ♂ BM(NH).
- FUSCICOSTA Lynch Arribálzaga, 1891:255 (1892c:52). Type-locality: Argentina, Buenos Aires, Chacabuco; La Plata. Distr. — same. Types ? MACN & MUNP.

- FUSCIPENNIS (Say), 1823:100 (*Baccha*). Type-locality: U.S.A., Pennsylvania. Distr. — Canada (Quebec), west to U.S.A. (Wisconsin and Colorado), south to Mexico (Vera Cruz), Guadaloupe, Cuba. Type ? lost. Ref. — Hull, 1949e:222, fig. 145 (abdomen); 226, fig. 167 (abdomen); 232, fig. 192 (abdomen); 280, fig. 379 (wing). N. COMB.
- fenestratus* Bigot, 1885a:251. Type-locality: "Mexico". Type ♂ OXF. N. SYN.
- fenestratus* Hull, 1949e:280, fig. 381 (wing) (*Baccha*; as a variety of *fuscipennis*; preocc. Bigot, 1885). *Nomen nudum*.
- GASTROSTACTUS (Wiedemann), 1830:123 (*Syrphus*). Type-locality: "Brazil". Distr. — U.S.A. (Texas & Florida), south to Brazil (Santa Catarina). Types ♂ VMNH* & AMNH*. Ref. — Hull, 1943j:65, fig. 2 (alula); 1949e:226, figs. 163-164 (abdomens); 258, figs. 299-300 (wings). N. COMB.
- trigonus* Wiedemann, 1830:126 (*Syrphus*). Type-locality: "Brazil". Types ♂ ZMB & VMNH (missing)*.
- costalis* Walker, 1837:342 (*Pipiza*, preocc. Wiedemann, 1830). Type-locality: South America. Type ♀ BM(NH).
- pica* Walker, 1857:156 (*Pipiza*). Type-locality: "Valley of Amazon". Type ♀ BM(NH).
- notatus* Coquillett, 1902:195 (preocc. Loew, 1866). Type-locality: Mexico, Tabasco, Frontera. Types ♂ USNM.
- GEIJSKESI (Doesburg), 1966:75, fig. 60 (habitus) (*Baccha*). Type-locality: Surinam, Paramaribo, Botanical Garden (Cultuurtuin). Distr. — same. Type ♂ Doesburg. N. COMB.
- GIGANTEUS (Schiner), 1868:340 (*Baccha*). Type-locality: "South America". Distr. — same. Types ♂ & ♀ VMNH*. N. COMB.
- GILVUS (Austen), 1893:154, pl. 5:7 (habitus) (*Baccha*). Type-locality: Brazil, Region of Amazon. Distr. — same. Type ♂ BM(NH)*. N. COMB.
- GLOBICEPS (Hull), 1937b:30 (*Pipunculosyrphus*). Type-locality: Paraguay, San Bernardino. Distr. — Brazil (Santa Catarina), Paraguay. Type ♂ VMNH. Ref. — Hull 1949e:192, fig. 3 (abdomen); 266, fig. 334 (wing). N. COMB.
- tiara* Curran, 1941:271 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♀ AMNH*.
- GOLBACHI (Fluke), 1950b:441, fig. 1 (abdomen) [*Stenosyrphus* (*Episyrphus*)]. Type-locality: Argentina, Tucumán, Villa Padre Monti. Distr. — same. Type ♀ IML. N. COMB.
- GRATUS (Curran), 1941:270 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:236, fig. 214 (abdomen), 276, fig. 366 (wing). N. COMB.
- HALCYONE (Hull), 1949b:244 (*Baccha*). Type-locality: Peru, Chanchamayo, 1100 m. Distr. — same. Type ♂ Hull. N. COMB.
- HARLEQUINUS (Hull), 1948a:10 (*Baccha*). Type-locality: Brazil, Rio Grande do Norte, Natal. Distr. — Brazil (Natal), Argentina. Type ♂ AMNH*. Ref. — Hull, 1949e:250, fig. 268 (abdomen), 254, fig. 289 (wing). N. COMB.
- HIANTHA (Hull), 1943j:74 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:154 (redescription), 212, fig. 96 (abdomen), 272, fig. 356 (wing). N. COMB.
- HIPPOLYTE (Hull), 1957:187 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ Hull. N. COMB.



- HIRTUS (Shannon), 1927a:11 (*Baccha*). Type-locality: Bolivia, Beni, Ivon. Distr. — same. Type ♂ USNM. Ref. — Hull, 1949e:154 (redescription), 250, fig. 271 (abdomen). N. COMB.
- HIRUNDELLA (Hull), 1944g:59 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH. Ref. — Hull, 1949e:155 (redescription), 212, fig. 99 (abdomen). N. COMB.
- HYACINTHIA (Hull), 1947a:409 (*Baccha*). Type-locality: Cuba, Soledad. Distr. — same. Type ♀ Hull. Ref. — Hull, 1949e:246, fig. 252 (abdomen). N. COMB.
- HYALIPENNIS (Curran), 1930e:15 (*Callostigma*). Type-locality: Honduras, Tegucigalpa. Distr. — Honduras, Argentina (Tucumán). Type ♀ AMNH*. Ref. — Hull, 1949e:230, fig. 183 (abdomen), 260, fig. 311 (wing). N. COMB.
- IDA (Curran), 1941:279 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Paraguay, Argentina (Jujuy). Type ♂ AMNH*. Ref. — Hull, 1949e:156 (redescription), 194, figs. 12, 18 (abdomen), 262, fig. 319 (wing), 274, fig. 358 (wing). N. COMB.
- var. IDELLA (Hull), 1949e:159, fig. 107 (abdomen) (*Baccha*). Type-locality: Paraguay, Villarica. Type ♂ USNM.
- IDANUS (Curran), 1941:276 (*Baccha*). Type-locality: Peru, Rio Putumayo. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:240, fig. 230 (abdomen), 278, fig. 373 (wing). N. COMB.
- IMMACULATUS (Macquart), 1842:158 (98), tab. 17, figs. 1 (head), 1a (wing) (*Syrphus*). Type-locality: "Chile or Brazil". Distr. — same. Type ♀ MNHN*. N. COMB.
- INCA (Curran), 1939d:4 (*Baccha*). Type-locality: Peru. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:200, fig. 50 (abdomen). N. COMB.
- INFANTA (Hull), 1943j:74 (*Baccha*). Type-locality: Colombia, Muzo. Distr. — same. Type ♂ Hull, 1949e:159 (redescription), 224, fig. 151 (abdomen). N. COMB.
- INFUSCATUS Bigot, 1883b:324. Type-locality: Mexico. Distr. — Mexico, Jamaica, Puerto Rico. Types ♂ BM(NH). N. COMB.
- INORNATUS (Walker), 1837:342 (*Baccha*). Type-locality: "South America". Distr. — same. Type ♂ BM(NH). N. COMB.
- INSULARIS (Bigot), 1883b:330 (*Doros*). Type-locality: "Cuba". Distr. — same. Type ♀ BM(NH)* N. COMB.
- IO (Hull), 1944g:61 (*Baccha*). Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:236, fig. 208 (abdomen), 268, fig. 342 (wing). N. COMB.
- IONA (Curran), 1941:265 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:242, fig. 234 (abdomen), 278, fig. 371 (wing).
- IRIS Austen, 1893:133, pl. 4:1 (habitus). Type-locality: Jamaica, Cinchona. Distr. — same. Type ♀ BM(NH). N. COMB.
- ISTHMUS Thompson (for *Callostigma panamensis* Curran). Distr. — Panama. Ref. — Hull, 1949e:212, fig. 103 (abdomen). NOM. NOV.
panamensis Curran, 1930f:8 (*Callostigma*; preocc. Curran, 1930). Type-locality: Panama, Canal Zone, Barro Colorado Island. Type ♀ AMNH*.
- JACTATOR (Loew), 1861:40 (*Syrphus*). Type-locality: Cuba. Distr. — U.S.A. (Florida), Cuba. Type ♂ MCZ*. Ref. — Fluke, 1942:23, fig. 33 (abdomen); 1950a:127, fig. 133 (male genitalia). N. COMB.
- JOHNSONI (Curran), 1934b:392 (*Baccha*). Type-locality: Guyana, Bartica.

- Distr. — same. Type ♀ MCZ. Ref. — Hull, 1949e:159 (redescription), 252, fig. 281 (abdomen). N. COMB.
- LANEI (Fluke), 1950b:444, fig. 4 (male genitalia) [*Stenosyrphus* (*Episyrphus*)]. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil (São Paulo, Rio de Janeiro). Type ♂ MZUSP. N. COMB.
- LATICAUDA (Curran), 1941:217 (*Baccha*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:224, fig. 158 (abdomen), 266, fig. 333 (wing). N. COMB.
- LATIUSCULUS Loew, 1866b:39 (1872b:99). Type-locality: Cuba. Distr. — U.S.A. (Florida); Cuba, Jamaica. Type ♀ MCZ.
- LATIVENTRIS (Curran), 1941:277 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:244, fig. 246 (abdomen). N. COMB.
- LAUDABILIS (Williston), 1891:36 (*Baccha*). Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas, 7000 ft. Distr. — same. Type ♀ BM(NH)*. N. COMB.
- LAUTUS (Giglio-Tos), 1892d:2 (*Syrphus*). Type-locality: Mexico, Tuxpango. Distr. — same. Type ♂ UTOR*. Ref. — Giglio-Tos, 1893:figs. 4 (abdomen), 4a (head). N. COMB.
- LEPIDUS (Macquart), 1842:169 (109), tab. 19, fig. 1 (habitus) (*Baccha*). Type-locality: ??? Distr. — Mexico, Panama. Type(s) ♂ MNHN. Ref. — Hull, 1949e:192, fig. 5 (abdomen), 202, fig. 58 (abdomen). N. COMB.
- LEUCOPODUS (Hull), 1948a:5 (*Baccha*). Type-locality: Brazil, Goiás. Distr. — Brazil (Goiás, São Paulo). Type ♀ Hull. Ref. — Hull, 1949e:160 (redescription), 212, fig. 100 (abdomen). N. COMB.
- LEVISSIMUS (Austen), 1893:146, pl. 4:15 (habitus) (*Baccha*). Type-locality: Brazil, Region of Amazon. Distr. — Peru, Brazil. Types ♂ BM(NH). Ref. — Hull, 1949e:238, fig. 220 (abdomen), 268, fig. 337 (wing). N. COMB.
- LIMPIDAPEX (Curran), 1941:282 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:212, fig. 104 (abdomen), 282, fig. 385 (wing). N. COMB.
- LINEATUS (Macquart), 1846:267 (139), tab. 20, fig. 5 (habitus) (*Baccha*). Type-locality: Mexico, Yucatán. Distr. — U.S.A. (Florida, Texas), Mexico (Yucatán). Type ♀ MNHN? Ref. — Hull, 1949e:236, fig. 206 (abdomen). N. COMB.
- var. *connexus* (Hull), 1949e:236, fig. 207 (abdomen) (*Baccha*). Type-locality: ? Type ? ? *Nomen nudum*.
- LIVIDUS (Schiner), 1868:343 (*Baccha*). Type-locality: "South America". Distr. — Mexico, Honduras, Panama, Colombia, Guyana, Trinidad, Peru, Brazil. Types ♂ ♀ VMNH*. Ref. — Hull, 1949e:196, fig. 26 (abdomen), 281, fig. 124 (abdomen), 268, fig. 336 (wing). N. COMB.
- LUCRETIA (Hull), 1949i:230 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ Hull. N. COMB.
- LUCTUOSUS (Bigot), 1883b:334 (*Baccha*). Type-locality: "Mexico". Distr. — Mexico, ?Costa Rica (Fluke, 1956:252). Type ♂ BM(NH). Ref. — Hull, 1949e:242, fig. 239 (abdomen). N. COMB.
- LUGUBRIS (Philippi), 1865:749 (*Baccha*). Type-locality: Chile, Corral. Distr. — Chile (Aysén). Type(s) ? MNHNS. N. COMB.
- nigrifrons* Bigot, 1883b:335 (*Baccha*). Type-locality: Chile. Type ♂ BM(NH).



- MACER (Curran), 1930a:13 (*Baccha*). Type-locality: Paraguay, San Bernardino. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:246, fig. 251 (abdomen), 260, fig. 309 (wing). N. COMB.
- MACROPYGA (Curran), 1941:267 (*Baccha*). Type-locality: Brasil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:196, fig. 24 (abdomen), 244, figs. 242-243 (abdomens), 260, fig. 313 (wing). N. COMB.
- MARA (Curran), 1941:274 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Tucumán). Type ♂ AMNH*. Ref. — Hull, 1949e:246, fig. 253 (abdomen), 256, fig. 293 (wing).
- MELANORRHINUS (Philippi), 1865:749 (*Baccha*). Type-locality: Chile, Valdivia. Distr. — Chile (Curicó-Aysén). Type? MNHNS. Ref. — Hull, 1949e:224, fig. 155 (abdomen), 258, fig. 301 (wing). N. COMB.
- felix* Shannon, 1927a:30 (*Baccha*). Type-locality: Chile, Valparaíso. Type ♂ USNM.
- MENTOR (Curran), 1930a:12 (*Baccha*). Type-locality: Paraguay, San Bernardino. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:248, fig. 263 (abdomen), 254, fig. 286 (wing). N. COMB.
- MEXICANUS (Curran), 1930a:6 (*Baccha*; nom. nov. for *lugubris* Williston). Distr. — Mexico (Vera Cruz, Guerrero, Tabasco). Ref. — Hull, 1949e:216, fig. 114 (abdomen); 274, fig. 360 (wing). N. COMB.
- lugubris* Williston, 1891:37 (*Baccha*; preocc. Philippi, 1865). Type-locality: Mexico, Tabasco, Venta de Zopilote, 2800 ft., Teapa; Guerrero, Chilpancingo, 4600 ft., Vera Cruz, Atoyac. Types ♂ & ♀ BM(NH) & AMNH*.
- batesi* Curran, 1939d:10 (*Baccha*). Type-locality: Guatemala, San Sebastian, Reu. Type ♀ AMNH*. [See Hull, 1949e:220, fig. 136 (abdomen); 282, fig. 382 (wing)].
- MICROPELECINUS (Shannon), 1927a:10 (*Baccha*). Type-locality: Bolivia, Tumupasa. Distr. — same. Type ♀ USNM. Ref. — Hull, 1949e:250, fig. 269 (abdomen). N. COMB.
- MICROPYGA (Curran), 1941:271 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH. N. COMB.
- var. *iolanthe* Hull, 1949e:252, fig. 276 (abdomen) (*Baccha*). Locality: "Brazil". Type ? ? *Nomen Nudum*.
- MIMUS (Hull), 1949e:188 (*Baccha*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♀ Hull. N. COMB.
- MINIMUS (Hull), 1943m:214 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:208, fig. 78 (abdomen). N. COMB.
- mimima*, Hull, 1949e:208, misspelled.
- MURINUS (Curran), 1930a:12 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:230, fig. 181 (abdomen); 268, fig. 338 (wing). N. COMB.
- MYRTELLA (Hull), 1960:70 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ Hull. N. COMB.
- NASUTUS (Williston), 1891:35 (*Baccha*). Type-locality: "Mexico". Distr. — same. Types ♂ & ♀ BM(NH). Ref. — Giglio-Tos, 1893:fig. 8 (head). N. COMB.
- NECTARINUS (Hull), 1942a:94 (*Baccha*). Type-locality: Paraguay, Villarica. Distr. — same. Type ♂ MCZ. Ref. — Hull, 1949e:196, fig. 30 (abdomen). N. COMB.
- NEPTUNUS (Hull), 1943h:138 (*Baccha*). Type-locality: Brazil, Rio de Ja-

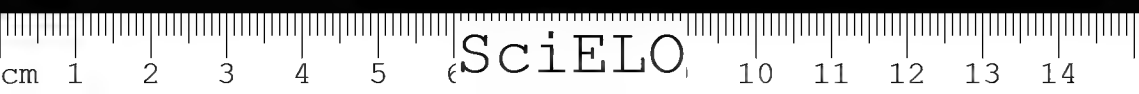
- neiro, Japuíba, Angra dos Reis. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:192, fig. 9 (abdomen). N. COMB.
- NERISSA (Hull), 1943m:215 (*Baccha*). Type-locality: Ecuador, Pinas. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:162 (redescription), 212, fig. 97 (abdomen). N. COMB.
- NERO (Curran), 1939d:8 (*Baccha*). Type-locality: Guyana, Kaieteur. Distr. — same. Type ♂ BM(NH). N. COMB.
- NEURALIS (Curran), 1934b:395 (*Callostigma*). Type-locality: Guyana, Kartabo. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:232, fig. 195 (abdomen); 260, fig. 312 (wing). N. COMB.
- NIGROCILIA (Hull), 1943m:215 (*Baccha*). Type-locality: Brazil, São Paulo, Ilha Seca. Distr. — Brazil (São Paulo), Colombia. Type ♀ AMNH*. Ref. — Hull, 1949e:162 (redescription), 244, fig. 248 (abdomen). N. COMB.
- var. HIRTIPES (Hull), 1943m:215 (*Baccha*). Type-locality: "Colombia". Type ? AMNH (missing — FCT). Ref. — Hull, 1949e:220, fig. 139 (abdomen).
- var. INCLUSA (Hull), 1943m:215 (*Baccha*). Type-locality: "Colombia". Type ? AMNH (missing — FCT). Ref. — Hull, 1949e:224, fig. 156 (abdomen).
- NIOBE (Hull), 1943i:73 (*Baccha*). Type-locality: Ecuador, Palmar, Manabí, 200 m. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:198, fig. 37 (abdomen). N. COMB.
- NITIDULUS (Curran), 1930a:9 (*Baccha*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — Panama, Brazil (Rondônia). Type ♂ AMNH*, Ref. — Hull, 1949e:214, fig. 105 (abdomen). N. COMB.
- NODOSUS (Hull), 1930:141, fig. 8 (abdomen) (*Baccha*). Type-locality: Mexico, Vera Cruz, Jalapa. Distr. — same. Type ♂ ANSP. Ref. — Hull, 1949e:192, fig. 6 (abdomen). N. COMB.
- NORA (Curran), 1941:269 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.
- NORINA (Curran), 1941:267 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (São Paulo, Santa Catarina), Bolivia, Argentina (Misiones, Formosa, Tucumán, Jujuy, Salta). Type ♂ AMNH*. Ref. Hull, 1949e:196, fig. 23 (abdomen), 218, fig. 131 (abdomen), 270, fig. 347 (wing). N. COMB.
- NOTATUS (Loew), 1866b:37 (1872b:97) (*Baccha*). Type-locality: "Cuba". Distr. — same. Type ♂ MCZ*. Ref. — Hull, 1949e:236, fig. 211 (abdomen), 240, fig. 233 (abdomen), 256, fig. 294 (wing). N. COMB.
- NYMPHAEA (Hull), 1943k:40 (*Baccha*). Type-locality: Brazil, São Paulo, Campinas. Distr. — same. Type ♂ USNM. Ref. — Hull, 1949e:238, fig. 221 (abdomen). N. COMB.
- OBLIQUUS (Curran), 1941:258 (*Callostigma*). Type-locality: Panama, Canal Zone, Chiva Chiva Trail. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:230, fig. 185 (abdomen), 260, fig. 307 (wing). N. COMB.
- OBLONGUS (Walker), 1852:221 (*Baccha*). Type-locality: Brazil. Distr. — same. Type ♀ BM(NH). N. COMB.
- OBSOLETUS (Curran), 1941:266 (*Baccha*). Type-locality: Paraguay, San Bernadino. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:222, fig. 150 (abdomen), 282, fig. 383 (wing). N. COMB.
- OCHREOLINEA (Hull), 1944c:31 (*Baccha*) [also, 1943j:98, fig. 89 (abdomen)]. Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr.

- same. Type ♀ MCZ*. Ref. — Hull, 1949e:210, fig. 89 (abdomen). N. COMB.
- OCTOMACULATUS Thompson (nom. nov. for *flukeyi* Hull). Distr. — Brazil (Santa Catarina). Ref. — Hull, 1949e:198, fig. 36 (abdomen). NOM. NOV.
- flukeyi* Hull, 1943j:67, fig. 36 (abdomen) (*Baccha*; preocc. Curran, 1941). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♀ AMNH*.
- OENONE (Hull), 1949e:109, fig. 198 (abdomen) (*Baccha*). Type-locality: "Jamaica". Distr. — same. Type ♂? N. COMB.
- OPACUS (Fluke), 1950b:443, fig. 2 (abdomen), fig. 3 (male genitalia) [*Stenosyrphus* (*Episyrphus*)]. Type-locality: Ecuador, Tungurahua, Mt. Tungurahua, 2800 ft. Distr. — same. Type ♀ AMNH*. Ref. — Vockeroth, 1969:164, fig. 80 (superior lobe). N. COMB.
- ORIEL (Hull), 1942a:96 (*Baccha*). Type-locality: Dominican Republic, Loma Rucilla and Mts. N., 5000-8000 ft. Distr. — same. Type ♂ MCZ. Ref. — Hull, 1949e:196, fig. 29 (abdomen), 218, fig. 126 (abdomen). N. COMB.
- ORNATIPES (Curran), 1927b:3 (*Baccha*). Type-locality: Puerto Rico, Cayey. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:232, fig. 194 (abdomen), 260, fig. 306 (wing). N. COMB.
- OVIPHORUS (Hull), 1943j:73 (*Baccha*). Type-locality: Colombia, Muzo. Distr. — same. Type ♀ Hull. Ref. — Hull, 1949e:232, fig. 191 (abdomen). N. COMB.
- CVIPOSITORIUS (Hull), 1943j:76 (*Baccha*). Type-locality: Colombia. Distr. — same. Type ♀ Hull. Ref. — Hull, 1949e:230, fig. 178 (abdomen). N. COMB.
- PANAMENSIS (Curran), 1930a:9 (*Baccha*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:212, fig. 103 (abdomen). N. COMB.
- PANDORA (Hull), 1942i:102 (*Baccha*). Type-locality: Panama, Coclé prov., El Valle. Distr. — same. Type ♂ MCZ. Ref. — Hull, 1949e:198, fig. 38 (abdomen). N. COMB.
- PAPILIO (Hull), 1942d:45 (*Baccha*). Type-locality: Brazil, São José (?). Distr. — Brazil (Santa Catarina). Ref. — Hull, 1949e:198, fig. 38 (abdomen). N. COMB.
- PAPILIONARIUS (Hull), 1943j:71 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AM(NH)*. Ref. — Hull, 1949e:220, fig. 133 (abdomen). N. COMB.
- PARA (Curran), 1941:280 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:163 (redescription), 194, fig. 11 (abdomen), 214, fig. 106 (abdomen), 216, fig. 115 (abdomen), 360, figs. 314 & 317 (wings). N. COMB.
- PARVICORNIS (Loew), 1861:41 (*Baccha*). Type-locality: Cuba. Distr. — U.S.A. (Florida); Cuba, Jamaica, Puerto Rico. Type ♂ MCZ. Ref. — Hull, 1949e:250, fig. 266 (abdomen). N. COMB.
- PENNATUS (Hull), 1943j:75 (*Baccha*). Type-locality: Panama, Canal Zone, Barro Colorado. Distr. — same. Type ♀ Hull. Ref. — Hull, 1949e:246, figs. 255-256 (abdomens), 266, fig. 329 (wing). N. COMB.
- PERI (Hull), 1943j:75 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:228, fig. 168 (abdomen). N. COMB.
- PERSIMILIS (Curran), 1930a:2 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (Santa Catarina, Mato Grosso).

- Type ♀ AMNH*. Ref. — Hull, 1949e:210, fig. 93 (abdomen). N. COMB.
- PERUVIANUS (Shannon), 1927a:10 [*Baccha* (*Pelecinobaccha*)]. Type-locality: Peru, Chanchamayo. Distr. — Peru (Junin, Cuzco). Type ♀ USNM. Ref. — Hull, 1949e:206, figs. 69-70 (abdomens). N. COMB.
- PIIAEOPTERUS (Schiner), 1868:342 (*Baccha*). Type-locality: "South America". Distr. — Mexico (Guerrero, Tabasco, Vera Cruz), Guatemala, Peru, Brazil (Mato Grosso). Types ♂ ♀ VMNH. Ref. — Hull, 1949e:196, fig. 28 (abdomen). N. COMB.
- PHILIPPIANUS (Enderlein), 1938:235 (*Baccha*; nom. nov. for *flavicornis* Philippi). Distr. — Chile (Curicó-Valdivia). N. COMB.
- flavicornis* Philippi, 1865:749 (*Baccha*; preoc. Loew, 1863). Type-locality: Chile, Valdivia. Types ? MNHNS.
- PHILODICE (Hull), 1950c:227 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ Hull. N. COMB.
- PIROBIFER (Hull), 1943c:50 (*Baccha*). Type-locality: Ecuador, Oriente, Puyo, 1250 m. Distr. — Ecuador. Type ♂ AMNH. Ref. — Hull, 1949e:208, fig. 83 (abdomen). N. COMB.
- bacchiformis* Vockeroth, 1969:122, fig. 13 (wing), fig. 17 (abdomen) (*Hermesomyia*). Type-locality: Ecuador, Pichincha, Tandapi, 40 km SW Quito, 1300-1500 m. Distr. — same. Type ♂ CNC*. N. SYN.
- PILIPES (Schiner), 1868:342 (*Bacha*). Type-locality: "South America". Distr. — Brazil (Mato Grosso), Peru (Junin). Types ♂ ♀ VMNH*. Ref. — Hull, 1949e:210, fig. 94 (abdomen), 272, fig. 350 (wing). N. COMB.
- PINKUSI (Curran), 1939d:5 (*Baccha*). Type-locality: Trinidad, Tabaquite. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:242, fig. 240 (abdomen), 284, fig. 388 (wing). N. COMB.
- PIRATA (Curran), 1939d:7 (*Baccha*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:218, fig. 125 (abdomen), 284, fig. 364 (wing). N. COMB.
- PLACIVUS (Williston), 1888:269 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Types ♂ ♀ AMNH*. Ref. — Hull, 1949e:210, fig. 90 (abdomen). N. COMB.
- PLUTONIA (Hull), 1948a:2 (*Baccha*). Type-locality: Bolivia, Covendo. Distr. — same. Type ♀ USNM. Ref. — Hull, 1949e:166 (redescription), 194, fig. 17 (abdomen). N. COMB.
- POLA (Curran), 1939d:11 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:244, fig. 249 (abdomen), 270, fig. 348 (wing). N. COMB.
- POLISTA (Hull), 1943g:89 [*Baccha* (*Mimocalla*)]. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Buenos Aires, Tucumán). Type ♂ AMNH*. Ref. — Hull, 1943j:65, fig. 2 (alula); 1949e:238, fig. 222 (abdomen); 236, fig. 212 (abdomen). N. COMB.
- nigriventris*, Bruch, 1923:1 (*Baccha*), misidentification.
- POTENTILA (Hull), 1942a:100 (*Baccha*). Type-locality: Paraguay, Villarrica. Distr. — same. Type ♂ MCZ. Ref. — Hull, 1949e:167 (redescription), 212, fig. 102 (abdomen). N. COMB.
- PRENES (Curran), 1930a:11 (*Baccha*). Type-locality: Brazil, Rio de Janeiro. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:196, fig. 21 (abdomen). N. COMB.



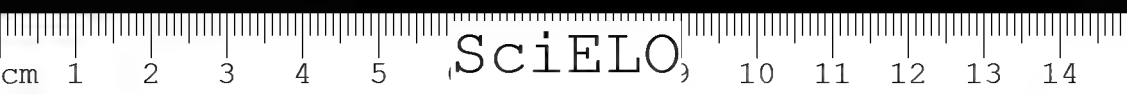
- PRINCEPS (Hull), 1944g:56 (*Baccha*). Type-locality: Ecuador, Oriente, Puyo 1000 m. Distr. — Ecuador, Peru. Type ♂ AMNH*. Ref. — Hull, 1949e:220, figs. 132, 134 (abdomen). N. COMB.
- PEISCILLA (Hull) 1943j:79 (*Baccha*). Type-locality: Argentina, Mendoza, Potrerillos. Distr. — same. Type ♂ CU. Ref. — Hull, 1949e:168 (redescription), fig. 118 (abdomen). N. COMB.
- PROVOCANS (Curran), 1939d:6 (*Baccha*). Type-locality: Mexico, Yucatan, Chichén Itzá. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:246, 268; figs. 254 (wing), 339 (abdomen). N. COMB.
- PRUDENS (Curran), 1934b:394 (*Baccha*). Type-locality: Guyana, Kartabo. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:236, 254, 280; figs. 209 & 210 (abdomen), 285 & 377 (wing). N. COMB.
- PRUNELLA (Hull), 1943j:72 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.
- PTERONIS (Fluke), 1942:5 (*Epistrophe*). Type-locality: Ecuador, Tungurahua, Volcan Tungurahua, Minza Chica. Distr. — Ecuador. Type ♂ AMNH*. Ref. — Fluke, 1950a:125, fig. 108 (male genitalia); Vockeroth, 1969:164, fig. 79 (superior lobe). N. COMB.
- PULLUS (Sack), 1921:130, fig. 2 (head) (*Baccha*). Type-locality: Paraguay, Aregua & St. Trinidad. Distr. — same. Types ♂ ♀ DEI & SMk*. N. COMB.
- PUMILUS (Austen), 1893:148, pl. 5:12 (habitus) (*Baccha*). Type-locality: Brazil, Region of Amazon. Distr. — Panama, Brazil. Types ♂ ♀ BM(NH). Ref. — Hull, 1949e:206, fig. 74 (abdomen). N. COMB.
- PUNCTIFRONS (Williston), 1891:36 (*Baccha*). Type-locality: Mexico, Guerrero; Omiltemi, 8000 ft.; Amula, 6000 ft.; Xucumanatlán, 7000 ft.; Sierra de las Aguas Escondidas, 9500 ft. Distr. — same. Types ♂ ♀ BM(NH)* & AMNH*. N. COMB.
- PYXIA (Hull), 1943j:68, fig. 81 (abdomen) (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:208, fig. 81 (abdomen). N. COMB.
- RICUS (Curran), 1939d:6 (*Baccha*). Type-locality: Puerto Rico, Mayaguez. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:244, 272; figs. 247 (abdomen), 351 (wing). N. COMB.
- RUBRICOSUS (Wiedemann), 1830:137 (*Syrphus*). Type-locality: "Brazil". Distr. — same. Types ♀ ZMB & VMNH. N. COMB.
- RUFIVENTRIS Bigot, 1883:325. Type-locality: Cuba. Distr. — same. Type ♀ BM(NH) ?.
- RUGOSIFRONS (Schiner), 1868:341 (*Baccha*). Type-locality: "South America". Distr. — Brazil. Types ♀ VMNH*. Ref. — Hull, 1949e:238, fig. 215 (abdomen). N. COMB.
- RYL (Hull), 1943j:73, fig. 34 (abdomen) (*Baccha*). Type-locality: Paraguay, Villarica. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:198, fig. 34 (abdomen). N. COMB.
- SAFFRONA (Hull), 1943i:74 (*Baccha*). Type-locality: Ecuador, Manabi, Palmar. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:208, fig. 86 (abdomen). N. COMB.
- SAGITTIFERUS (Austen), 1893:144, pl. 4:14 (habitus) (*Baccha*). Type-locality: Jamaica, Cinchona. Distr. — same. Type ♀ BM(NH). N. COMB.
- SALPA (Hull), 1944j:40 (*Baccha*). Type-locality: Peru, Campamiento. Distr. — same. Type ♂ CU. Ref. — Hull, 1949e:169 (redescription), 224, fig. 154 (abdomen). N. COMB.
- SAPHO (Hull), 1943j:69 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. Ref. — Hull,



- 1949e:170 (redescription), 224, 262; figs. 157 (abdomen), 316 (wing). N. COMB.
- SARGOIDES (Macquart), 1850:455 (151), pl. 14, fig. 9 (habitus), 9a (head) (*Syrphus*). Type-locality: "Brazil". Distr. — same. Type ♂ OXF*. N. COMB.
- SATIVUS (Curran), 1941:275 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Colombia, Brazil (São Paulo, Santa Catarina). Type ♂ AMNH*. Ref. — Hull, 1949e:248, 254; figs. 264 (abdomen), 283 (wing). N. COMB.
- var. ARSINOE (Hull), 1949e:135, fig. 250 (abdomen) (*Baccha*). Type-locality: "Colombia". Distr. — same. Type ♂ ? N. COMB.
- arsenoe*, Fluke, 1956:262, misspelling.
- SATYRUS (Hull), 1943j:77, figs. 2 (alula), 84 (abdomen) (*Baccha*). Type-locality: Ecuador, Manabi, Palmar. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:208, fig. 84 (abdomen). N. COMB.
- SCHWARZI (Curran), 1939d:9 (*Baccha*). Type-locality: Colombia, Western Cordillera, Cali Dist. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:214, 278; figs. 111 (abdomen), 375 (wing). N. COMB.
- SCINTILLANS (Hull), 1943h:136 (*Baccha*). Type-locality: Ecuador, Morro Morro. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:208, fig. 87 (abdomen). N. COMB.
- SCUTELLATUS Loew, 1866:39 (1872b:99). Type-locality: "Cuba". Distr. — U.S.A. (Florida), Cuba, Puerto Rico, Panama, Brazil (São Paulo, Santa Catarina), Argentina (Misiones, Tucumán). Type ♀ MCZ.
- proximus* Schiner, 1868:346. Type-locality: "Brazil". Type ♂ ♀ VMNH*. N. SYN.
- anthracoides* Bigot, 1884b:82 (?*Melanostoma*). Type-locality: "Panama". Type ♀ OXF*. N. SYN.
- loewi* Sedman, in Wirth, et al., 1965:573 (*Baccha*; nom. nov. for *scutellatus* Loew). N. SYN.
- SELENE (Hull), 1949e:183 (*Baccha*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull. N. COMB.
- SEPIA (Hull), 1941d:161 (*Baccha*). Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo, Santa Catarina). Type ♂ Hull. Ref. — Hull, 1949e:192, fig. 10 (abdomen). N. COMB.
- SERICEUS (Walker), 1837:343 (*Pipiza*). Type-locality: "South America". Distr. — Brazil (São Paulo). Type ♂ BM(NH)*. N. COMB.
- SHROPSHIREI (Curran), 1930a:7 (*Baccha*). Type-locality: Panama, Canal Zone, Corozal. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:240, 282; figs. 231 (abdomen), 386 (wing). N. COMB.
- SIGNIFERUS (Austen), 1893:145, pl. 4:8 (habitus) (*Baccha*). Type-locality: Brazil, Amazonas, Tefé (as Ega). Distr. — Guyana, Brazil. Type ♂ BM(NH). N. COMB.
- SILACEUS (Austen), 1893:149, pl. 5:13 (habitus) (*Baccha*). Type-locality: Brazil, Region of Amazon. Distr. — same. Type ♀ BM(NH). N. COMB.
- SIMULATUS (Curran), 1939d:10 (*Baccha*). Type-locality: Peru, Lower Rio Tapiche. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:192, 272; figs. 2 (abdomen), 352 (wing). N. COMB.
- SMARTI (Curran), 1939d:10 (*Baccha*). Type-locality: Guyana, Mazaruni. Distr. — same. Type ♂ BM(NH). N. COMB.
- SPATULATUS (Giglio-Tos), 1892d:4 (*Baccha*). Type-locality: Mexico, Orizaba. Distr. — same. Type ♀ UTOR*. N. COMB.
- STENOCASTER (Williston), 1888:266 (*Baccha*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Mexico (Guerrero), Brazil (Mato



- Grosso), Argentina (Salta, Tucumán). Type ♂ AMNH*. Ref. — Hull, 1949e:232, 266, 272; figs. 189 & 190 (abdomen), 331 & 357 (wing). N. COMB.
- STIPA (Hull), 1949e:110 (*Baccha*) [also, 1943j:94, fig. 71 (abdomen)]. Type-locality: "Colombia". Distr. — same. Type ? ? N. COMB.
- STOLO (Walker), 1852:241 (*Syrphus*). Type-locality: "Brazil". Distr. — same. Type ♂ BM(NH). N. COMB.
- STRIATUS (Walker), 1852:221 (*Ascia*). Type-locality: "Brazil". Distr. — same. Type ♂ BM(NH). Ref. — Hull, 1949e:198, fig. 32 (abdomen). N. COMB.
- SUBCHALYBEUS (Walker), 1857:157 (*Syrphus*). Type-locality: "Valley of Amazon". Distr. — same. Type ? BM(NH). N. COMB.
- SUMMUS (Fluke), 1936:59, fig. 1 (abdomen) (*Baccha*). Type-locality: Brazil, Guanabara, Rio de Janeiro, Jardim Botânico. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:214, fig. 13 (abdomen), 276, fig. 368 (wing). N. COMB.
- SUSIO (Hull), 1941c:61 (*Baccha*). Type-locality: Brazil, São Paulo, Avandava. Distr. — same. Type ♂ Hull. Ref. — Hull, 1949e:171 (redescription), 220, fig. 138 (abdomen). N. COMB.
- TARSALIS (Walker), 1837:345 (*Syrphus*). Type-locality: "South America". Distr. — same. Type ? BM(NH). N. COMB.
- meridionalis* Goot, 1964:215 (*Syrphus*, unjustified nom. nov. for *tarsalis* Walker; preocc. Fluke, 1950). N. SYN.
- TELESCOPICUS (Curran), 1930a:4 (*Baccha*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:204, 206, 276; figs. 60 & 71 (abdomen), 369 (wing); Hull, 1943j:44, fig. 1 (alula). N. COMB.
- TENUIS (Walker), 1852:222 (*Baccha*). Type-locality: "Brazil". Distr. — same. Type ♀ BM(NH). N. COMB.
- THECLA (Hull), 1943j:67 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.
- TIARELLA (Hull), 1944g:57 [*Baccha* (*Pipunculosyrphus*)]. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:226, 256; figs. 165 & 166 (abdomen), 296 (wing). N. COMB.
- TITANIA (Hull), 1943j:70, fig. 51 (abdomen) (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Salta, Tucumán). Type ♂ AMNH*. Ref. — Hull, 1949e:202, fig. 51 (abdomen). N. COMB.
- TRABIS (Fluke), 1942:5, fig. 6 (abdomen) (*Epistrophe*). Type-locality: Ecuador, Tungurahua, Volcan Tungurahua, Runtun. Distr. — Ecuador, Argentina (Tucumán). Type ♂ AMNH*. Ref. — Fluke, 1950a:125, fig. 109 (male genitalia); Vockeroth, 1969:165, fig. 81 (superior lobe). N. COMB.
- TRANSATLANTICUS (Schiner), 1868:343 (*Baccha*). Type-locality: "Brazil & Colombia". Distr. — "Colombia", Peru, Brazil. Types ♂ ♀ VMNH*. Ref. — Hull, 1949e:216, 284; figs. 119 & 120 (abdomen), 392 & 393 (wing). N. COMB.
- tricinctus* (Bigot), 1883b:333 (*Baccha*). Not neotropical; Fluke, 1956:265, error for *tricinctus* (Wulp).
- TRILOBUS (Hull), 1944b:11 (*Baccha*). Type-locality: "Amazon". Distr. — same. Type ♀ BM(NH). Ref. — Hull, 1949e:172 (redescription), 244, 258; figs. 153 (abdomen), 198 (wing). N. COMB.
- TRINIDADENSIS (Curran), 1939d:11 (*Baccha*). Type-locality: Trinidad, Ta-



- baquite. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:212, 254; figs. 98 (abdomen), 284 (wing). N. COMB.
- TRISTIS (Hull), 1930:140, fig. 7 (abdomen) (*Baccha*). Type-locality: Mexico, Vera Cruz, Jalapa, 4400 ft. Distr. — same. Type ♂ ANSP. Ref. — Hull, 1949e:173 (redescription), 194, fig. 19 (abdomen). N. COMB.
- ULRICA (Hull), 1957:188 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ Hull. N. COMB.
- URANIA (Hull), 1949e:185 (*Baccha*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♀ Hull. N. COMB.
- URSULA (Hull), 1947b:234 (*Baccha*). Type-locality: Paraguay, Villarica. Distr. — same. Type ♂ Hull. Ref. — Hull, 1949e:220, 226, 284; figs. 140 & 161 (abdomen), 389 (wing). N. COMB.
- VAMPYRUS (Hull), 1943j:98, fig. 95 (abdomen); 1948a:7 (*Baccha*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♀ Hull. Ref. — Hull, 1949e:210, fig. 95 (abdomen). N. COMB.
- VANDA (Hull), 1943h:136 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:174 (redescription), 214, 222, 262; figs. 110 & 148 (abdomen), 315 & 318 (wing). N. COMB.
- VANESSA (Hull), 1949e:190 (*Baccha*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull. N. COMB.
- VARIEGATUS (Macquart), 1842:168 (108), pl. 18, fig. 4 (habitus) 4a (head) (*Baccha*). Type-locality: Brazil, Paraná, Guaratuba. Distr. — Brazil (Rio de Janeiro. Type ♀ MNHN*. N. COMB.
- VERA (Hull), 1943j:50, fig. 43 (abdomen) (*Baccha*) [also, 1944b:10]. Type-locality: "Amazon" [1944b:10]. Distr. — same. Type ♀ BM(NH). Ref. — Hull, 1949e:200, fig. 43 (abdomen), 272, fig. 353 (wing). N. COMB.
- VERONA (Curran), 1941:272 (*Baccha*). Type-locality: Colombia, Vista Nieve. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:240, 254; figs. 225 (abdomen), 288 (wing). N. COMB.
- VESPUCCIUS (Hull), 1943l:73 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:192, fig. 1 (abdomen). N. COMB.
- VICTORIA (Hull), 1941j:181 (*Baccha*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ Hull, MZUSP. Ref. — Hull, 1949e:196, fig. 27 (abdomen). N. COMB.
- VIERECKI (Curran, 1930a:6 (*Baccha*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — Panama, Colombia (Santa Maria). Type ♂ AMNH*. Ref. — Hull, 1949e:236, fig. 213 (abdomen). N. COMB.
- VIOLACEUS (Hull), 1943j:71 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:220, fig. 135 (abdomen). N. COMB.
- VIRGA (Fluke), 1942:7, fig. 9 (abdomen) (*Epistrophe*). Type-locality: Ecuador, Imbabura, Cuicocha, 3200 m. Distr. — same. Type ♀ AMNH*. Ref. — Vockeroth, 1969:164, fig. 82 (superior lobe). N. COMB.
- VIRGILIO (Hull), 1942d:46 (*Baccha*). Type-locality Brazil, Paraná. Distr. — same. Type ♂ Hull. Ref. — Hull, 1949e:204, fig. 63 (abdomen). N. COMB.
- VIRGINIO (Hull), 1941j:182 (*Baccha*). Type-locality: Brazil São Paulo, Osasco. Distr. — Brazil. Type ♂ Hull. Ref. — Hull, 1949e:244, fig. 244 (abdomen). N. COMB.



- VITTIGER (Hull), 1949c:735 [also, 1949e:123, figs. 245 (abdomen), 384 (wing)] (*Baccha*). Type-locality: Guyana, Essequibo River, Moraballi Creek. Dark Forest. Distr. — Guyana, Brazil (São Paulo). Type ♀ BM(NH). N. COMB.
- VOLCANUS (Fluke), 1942:6, fig. 8 (abdomen) (*Epistrophe*). Type-locality: Panama, Chiriquí, El Volcan. Distr. — Panama, Ecuador. Type ♂ AMNH*. N. COMB.
- WIEDEMANNI Enderlein, 1938:234. Type-locality: "Brazil". Distr. — same. Type ♀ ZMB. Ref. — Wiedemann, 1830:124 [*p.p. flavipennis* Wiedemann].
- WILLISTONI Thompson (nom. nov. for *dolosa* Williston). Distr. — "Mexico". Ref. — Hull, 1949e:234, fig. 202 (abdomen). NOM. NOV.
- dolosa* Williston, 1891:37, pl. 1:7 (habitus), 7a+b (head) (*Baccha*; preocc. Walker, 1857). Type-locality: Mexico, Guerrero: Omiltemi, 8000 ft.; Xucumanatlan, 7000 ft.; Amula, 6000 ft.; Guatemala, Cerro Zunil, 4000-5000ft. Types ♂ ♀ (BM(NH) & AMNH*).
- WILHELMINA (Doesburg), 1963:27, fig. 5 (habitus), 5a+b (head) (*Baccha*). Type-locality: Surinam, Paramaribo. Distr. — same. Type ♂ Doesburg. N. COMB.
- WULPIANUS (Lynch Arribálzaga), 1891:250 (1892c:47) (*Baccha*, nom. nov. for *tricinctus* Wulp). Distr. — Argentina. N. COMB.
- tricinctus* Wulp, 1888: 376, pl. 10, fig. 8 (habitus) (*Baccha*; preocc. Bigot, 1883). Type-locality: Argentina, Prov. Tucumán. Types ♂ lost?.
- XANTHOPTERUS (Wiedemann), 1830:120 (*Syrphus*). Type-locality: Brazil. Distr. — same. Type ♂ SMF*. N. COMB.
- XANTIPPE (Hull), 1949e:177 (*Baccha*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♀ Hull. N. COMB.
- ZABULON (Hull), 1949b:244 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ Hull. N. COMB.
- ZENIA (Curran), 1941:266 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. Hull, 1949e: 250, fig. 273 (abdomen). N. COMB.
- ZENILIA (Curran), 1941:274 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1949e:250, 258; figs. 83, 272 (abdomen), 305 (wing).
- zinnia* Hull, 1943j:78, fig. 2 (alula), 82 (abdomen) (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♀ AMNH*. N. SYN.
- ZEPHYREUS (Hull), 1947b:232 (*Baccha*). Type-locality: Paraguay, Villarica. Distr. — same. Type ♂ USNM. Ref. — Hull, 1949e: 232, 274; figs. 188 (abdomen), 363 (wing). N. COMB.
- ZERENE (Hull), 1949b:245 (*Baccha*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ Hull. N. COMB.
- ZETEKI (Curran), 1930a:8 (*Baccha*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — Honduras, Panama, Brazil (Mato Grosso). Type ♂ AMNH*. Ref. — Hull, 1949e:175 (redescription), 204, fig. 66 (abdomen). N. COMB.
- ZILLA (Hull), 1943m:214 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Ecuador, Brazil (Santa Catarina). Type ♀ AMNH*. Ref. — Hull, 1949e:248, fig. 262 (abdomen). N. COMB.
- ZITA (Curran), 1941:273 (*Baccha*). Type-locality: Brasil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina

(Tucumán). Type ♂ AMNH*. Ref. — Hull, 1943j:65, fig. 2 (alula); Hull, 1949e:200, 252; figs. 45 (abdomen), 275 (wing). N. COMB.
var. *fuscus* Hull, 1949e:252, fig. 274 (abdomen) (*Baccha*). *Nomen nudum* [♀ AMNH*].

ZOBEIDE (Hull), 1943g:90 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:230, fig. 182 (abdomen). N. COMB.

ZOROASTER (Hull), 1943i:76, fig. 2 (alula), 80 (abdomen) (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Tucumán). Type ♂ AMNH*. Ref. — Hull, 1949e:208, fig. 80 (abdomen). N. COMB.

Genus SALPINGOGASTER Schiner

Amathia Walker, 1852:223 (preocc. Lamouroux, 1812; Roux, 1828; Duponchel, 1829; Rathke, 1837). Type-species, *costalis* Walker (mon.).

SALPINGOGASTER Schiner, 1868:344. Type-species, *pygophora* Schiner (orig. des.).

Flexineura Bezzi, 1908:294, *nomen nudum*.

Ref. — Sack, 1920 (rev. key); Curran, 1941 (key); Knutson, 1971 (biol.).

Subgenus SALPINGOGASTER Schiner

ABDOMINALIS Sack, 1920:242, fig. D (tip of abdomen). Type-locality: "Bolivia". Distr. — same. Type ♂ MD.

BEQUAERTI Curran, 1933:2. Type-locality: Guatemala, Sa. Emilia, Pochuta. Distr. — same. Type ♂ AMNH*.

BICOLOR Sack, 1920:250, fig. m (abdomen). Type-locality: Bolivia, La Paz. Mapiri, 2000 m. Distr. — same. Type ♀ MD.

BIPUNCTIFRONS Curran, 1934b:397. Type-locality: Guyana, Kartabo. Distr. — same. Type ♀ AMNH*.

BROWNI Curran, 1941:286. Type-locality: Ecuador, Tungurahua, Volcan Tungurahua, Minza Chica. Distr. — Ecuador. Type ♂ AMNH*. Ref. — Hull, 1949d:297, fig. 11L (wing).

maculipennis Hull, 1944a:166. Type-locality: "South America". Type ♀ VMNH*. N. SYN.

BRUNERI Curran, 1932a:6. Type-locality: Cuba, Sierra Maestra. Distr. — same. Type ♀ AMNH*.

COENUTA Hull, 1944a:168. Type-locality: "Venezuela". Distr. — same. Type ♀ VMNH.

COSTALIS (Walker), 1852:223 (*Amathia*). Type-locality: Brazil. Distr. — same. Type ♂ BM(NH). Ref. — Sack, 1920:253 (redescription).

COTHURNATA Bigot, 1883:329. Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH) ? Ref. — Sack, 1920:246 (redescription).

DIANA Hull, 1943f:33. Type-locality: "Brazil". Distr. — same. Type ♀ Hull.

FRONTALIS Sack, 1920:243, fig. e (male abdominal tip), f (female abdomen). Type-locality: Bolivia, Coroico, 1000 m. Distr. — same. Types ♂ ♀ MD.

GRACILIS Sack, 1920:251, figs. n + o (head), p (mesonotum), q (tip of male abdomen). Type-locality: Peru, Vilcanota. Distr. — Peru, Brazil (Santa Catarina). Types ♂ ♀ UNMB.

HALCYON Hull, 1940b:434. Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — Panama, Brazil (Santa Catarina), Argentina (Formosa). Type ♂ Hull.



- compressa* Curran, 1941:284. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ AMNH*. N. SYN.
- IMPURA Curran, 1941:285. Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ AMNH*.
- LIMBIPENNIS Williston, 1891:29. Type-locality: Mexico, Guerrero, Amula, 6000 ft. Distr. — same. Types ♂ BM(NH). Ref. — Sack, 1920:256 (redescription).
- limbippennis*, Sack, 1920:256, misspelling.
- LINEATA Sack, 1920:253, figs. r + s (male abdomen). Type-locality: Bolivia, La Paz, Mapiri. Distr. — same. Type ♂ MD.
- MINOR Austen, 1893:161, pl. 5:4 (habitus). Type-locality: Brazil, Pará. Distr. — same. Type ♀ BM(NH). Ref. — Sack, 1920:247 (redescription).
- NIGRA Schiner, 1868:344, pl. 4:4 (habitus), 4a (wing). Type-locality: "South America". Distr. — Mexico, Guatemala, Panama, Brazil, Peru, Argentina (Jujuy, Tucumán). Types ♂ ♀ VMNH*. Ref. — Sack, 1920:254 (redescription), figs. a (wing), t, u, & v (abdomen).
- anchoratus* Bigot, 1883:328. Type-locality: "Mexico". Type ♂ BM(NH)?
- NIGRICAUDA Sack, 1920:248, fig. h (head). Type-locality: Bolivia. Distr. — same. Types ♂ ♀ UNMB.
- NOVA Giglio-Tos, 1892c:7. Type-locality: Mexico. Distr. — same. Type ♀ UTOR*.
- PANAMANA Hull, 1944c:33. Type-locality: Panama, Bella Vista. Distr. — same. Type ♂ MCZ.
- pannamana*, Fluke, 1957:6, misspelling.
- PESSULAGYNA Hull, 1941f:48. Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ Hull.
- PETIOLATA Hull, 1944a:165. Type-locality: Bolivia, Río Songo. Distr. — same. Type ♀ VMNH*.
- PUNCTIFRONS Curran, 1929:493. Type-locality: "Cuba". Distr. — U.S.A. (Florida). Type ♂ Stanford Univ., Calif.
- PYGOPHORA Schiner, 1868:344. Type-locality: "South America". Distr. — Cuba, Panama, Mexico, Brazil. Types ♂ VMNH*. Ref. — Sack, 1920:239 (redescription), fig. b (tip of male abdomen); Hull, 1949d:264, fig. 3e (head).
- RELICTA Curran, 1941:285. Type-locality: Cuba, Vinales. Distr. — Cuba. Type ♂ AMNH*.
- STIGMATIPENNIS Hull, 1940a:250. Type-locality: "Venezuela". Distr. — same. Types ♀ VMNH & Hull.
- UNCINATA Hull, 1945a:216. Type-locality: Costa Rica, La Suiza. Distr. — same. Type ♂ USNM.
- URANIA Hull, 1949i:232. Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ Hull.
- VERA Hull, 1944a:169. Type-locality: Bolivia, Río Songo. Distr. — same. Type ♂ VMNH.
- VIRGATA Austen, 1893:159, pl. 5:4 (habitus). Type-locality: Brazil, Region of Amazon. Distr. — Brazil, Bolivia. Types ♂ ♀ BM(NH). Ref. — Sack, 1920:240 (redescription), fig. c (head).

Subgenus EOSALPINGOGASTER Hull

- EOSALPINGOGASTER Hull, 1949d:299 (as genus). Type-species, *Baccha conopida* Philippi (orig. des.).
- CONOPIDA (Philippi), 1865:750 (*Baccha*). Type-locality: Chile, Santiago. Distr. — Brazil (São Paulo), Chile, Argentina. Types MNHNS.

- Ref. — Sack, 1920:244 (redescription), fig. g (head) [as *macula* Schiner]; Knutson, 1971:34 (description of puparium), figs. 3 + 4 (puparium).
- ?*nigriventris* Bigot, 1883:329. Type-locality: Uruguay, Montevideo. Type ♀ BM(NH). Ref. — Sack, 1920:249 (redescription), figs. j (head), k (mesonotum); Sack, 1921:134, figs. 7 (mesonotum), 8 (puparium).
- macula* Schiner, 1868:345. Tpe-locality: "Chile". Types ♂ ♀ VMNH*.
- nigroventris*, Williston, 1886:315, misspelling.
- mimetica* Brèthes [not Lahille], 1907:292 (*Baccha*). *Nomen nudum*.
- DACTYLOPIANA Blanchard, 1938:348, figs. 2a (puparium), b (head), c (mesonotum), d (abdomen). Type-locality: Argentina, Los Armadores, Catamarca & Entre Ríos. Distr. — same. Types ♂ [author's coll.].
- LIPOSETA Fluke, 1937:10, figs. 12 (wing), 13 (thorax). Type-locality: Ecuador, Puerto Grande, Isla Puná. Distr. — Ecuador, Argentina (Tucumán, La Rioja, Río Negro). Type ♀ AMNH*.

Genus ALLOGRAPTA Osten Sacken

- ALLOGRAPTA Osten Sacken, 1875:49. Type-species, *Scaeva obliqua* Say (mon.).
- Claraplumula* Shannon, 1927a:8. Type-species, *latifacies* Shannon (orig. des.).
- Fazia* Shannon, 1927a:25. Type-species, *bullaephora* Shannon (orig. des.).
- Oligorhina* Hull, 1937b:30 (preocc. Fairmaire & Germain, 1863). Type-species, *aenea* Hull (orig. des.).
- Chasmia* Enderlein, 1938:213 (preocc. Enderlein, 1922). Type-species, *hians* Enderlein (orig. des.).
- Rhinoprosope* Hull, 1942f:24 (nom. nov. for *Oligorhina* Hull). Type-species, *Oligorhina aenea* Hull (aut.). N SYN.
- Microsphaerophoria* Frey, 1946:168. Type-species, *plaumanni* Frey (orig. des.).
- Neoscaeva* Frey, 1946:170. Type-species, *Syrphus aeruginosifrons* Schiner (orig. des.). N SYN.
- Epistrophe*, subg. *Metallograpta* Hull, 1949d:293. Type-species, *Allograpta colombia* Curran (orig. des.).
- Epistrophe*, subg. *Metepistrophe* Hull, 1949d:293. Type-species, *remigis* Fluke (orig. des.) [see Fluke, 1951c:218; Vockeroth, 1969:126].
- Antillus* Vockeroth, 1969:130. Type-species, *ascitus* Vockeroth (orig. des.). N SYN.
- AENEAE (Hull), 1937b:31 (*Oligorhina*). Type-locality: Haiti, Mt. La Hotte, Desbarrière. Distr. — same. Type ♀ MCZ. Ref. — Hull, 1949e:222, figs. 142 & 147 (abdomen); Hull, 1949d:288, fig. 9d (head). N. COMB.
- AERUGINOSIFRONS (Schiner), 1868:352 (*Syrphus*). Type-locality: "South America". Distr. — Brazil. Types ♂ ♀ VMNH*. N. COMB.
- ALTA Curran, 1936b:15. Type-locality: Colombia, Popayán. Distr. — Colombia; Ecuador. Type ♂ AMNH*. Ref. — Fluke, 1942:23, fig. 31 (abdomen); Fluke, 1950a:129, fig. 134 (male genitalia).
- flavomaculata* Hull, 1937a:169. Type-locality: Colombia, Bogotá. Type ♂ USNM.
- ALTISSIMA (Fluke), 1942:10, fig. 17 (abdomen) (*Epistrophe*). Type-locality: Ecuador. Type ♂ AMNH*. Ref. — Fluke, 1950a:127, figs. 124 & 130 (male genitalia, as *remigis*).
- ANNULIPES (Macquart), 1850:464 (160), pl. 14, fig. 18 (head) (*Paragus*).



- Type-locality: Brazil, Bahia. Distr. — Colombia, Ecuador, Peru, Brazil (Bahia, São Paulo), Bolivia. Type ♂ MNHN*. N. COMB.
- scutellata* Sack, 1941:99 (1951:95). Type-locality: Peru, Pichis; Bolivia, Mapiri. Type ♂ ♀ MD?. N. SYN.
- geminata* Fluke, 1942:16, fig. 34 (abdomen). Type-locality: Ecuador, Río Pastaza, Santa Inés. Type ♀ AMNH*.
- APERTA Fluke, 1942:19, fig. 48 (abdomen). Type-locality: Guyana, Kaie-teur, Savannah. Distr. — Surinam, Guyana. Type ♂ AMNH*.
- var. NOTATA Doesburg, 1966:64. Type-locality: Surinam, Wilhelmina Mts., Camp 3. Distr. — same. Types ♂ Doesburg.
- ARGENTIPILA (Fluke), 1942:13, fig. 30 (abdomen) (*Epistrophe*). Type-locality: Ecuador, Oriente, Puyo, 1000 m. Distr. — Ecuador, Peru, Argentina (La Rioja). Type ♂ AMNH*. Ref. — Fluke, 1950a:127, fig. 131 (male genitalia).
- ARMILLATA (Fluke), 1942:12, fig. 23 (abdomen), 24 (head) (*Epistrophe*). Type-locality: Ecuador, Bolívar, Hda. Talahua. Distr. — same. Type ♂ AMNH*. Ref. — Fluke, 1950a:125, fig. 99 (male genitalia).
- ASCITA (Vockeroth), 1969:130, fig. 18 (abdomen) (*Antillus*). Type-locality: Haiti, Desbarrière, Mt. La Hotte, nr. 4000 ft. Distr. — same. Type ♀ MCZ*. N. COMB.
- BICINCTA (Bigot), 1884b:112 (*Mesograpta*?). Type-locality: Mexico. Distr. — same. Type ♂ OXF*. N. COMB.
- BILINEATA Enderlein, 1938:220. Type-locality: Argentina, Prov. Buenos Aires. Distr. — same. Type ♂ ZMB?
- BILINEELLA Enderlein, 1938:219. Type-locality: Colombia, "Cordilliere, terra caliente". Distr. — same. Type ♂ ZMB.
- BISINTERPTA (Enderlein), 1938:210 (*Fazia*). Type-locality: Colombia, "Cordilliere, terra fria". Distr. — same. Type ♂ ZMB. N. COMB.
- BROWNII Fluke, 1942:17, figs. 41 & 42 (head), 43 (abdomen). Type-locality: Ecuador, Imbabura, Cuicocha, 3200 m. Distr. — same. Type ♂ AMNH*.
- BULLAEPHORA (Shannon), 1927a:25, figs. 8 (head), 10 (wing tip) (*Fazia*). Type-locality: Chile. Distr. — Ecuador, Chile (Coquimbo — Valdivia). Type ♂ USNM*. Ref. — Fluke, 1942:23, fig. 22 (abdomen).
- COLOMBIA Curran, 1925c:349. Type-locality: Colombia, Sierra Quemada. Distr. — Colombia, Ecuador, Brazil, Argentina (Tucumán, Salta). Type ♀ CU*. Ref. — Fluke, 1942:12 (redescription), figs. 25 (head), 26 (abdomen); 1950a:129, fig. 135 (male genitalia).
- CUBANA Curran, 1932a:3. Type-locality: "E.E.A. [Estación Experimental Agrícola] de Cuba". Distr. U.S.A. (Florida); Bahamas, Cuba. Type ♂ AMNH*. Ref. — Fluke, 1942:24, fig. 39 (abdomen).
- DELIMBATA Enderlein, 1938:224. Type-locality: Colombia, Bogotá. Distr. — same. Types ♂ ZMB.
- DUPLOFASCIATA Enderlein, 1938:217. Type-locality: Mexico, Mexico State. Distr. — same. Type ♂ ZMB or DEI.
- EUPELTATA (Bigot), 1884b:91 (*Syrphus*). Type-locality: "Mexico". Distr. — Mexico (Chiapas). Types ♂ OXF*.
- EXOTICA (Wiedemann), 1830:136 (*Syrphus*). Type-locality: "Brazil". Distr. — U.S.A. (Oregon to Nebraska), south to Chile (Antofagasta) and Argentina (Catamarca). Types ♂ ♀ VMNH* & ZMB. Ref. — Fluke, 1942:24, fig. 47 (abdomen); 1950a:129, figs. 136 & 138 (male genitalia).

- quadrigemina* (Thomson), 1869:500 (*Syrphus*). Type-locality: Argentina, Buenos Aires. Type ♀ NRS*.
- fracta* Osten Sacken, 1877:331. Type-locality: U.S.A., California, Santa Monica. Type ♂ MCZ.
- skottsbergi* Enderlein, 1940:663. Type-locality: Chile, Juan Fernández Islands, Masatierra & Masafuera. Types ♂ & ♀ NRS.
- FALCATA Fluke, 1942:16, fig. 36 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Colombia (Putamayo River), Venezuela (Amazonas), Ecuador, Peru (Cuzco), Brazil (Santa Catarina), Argentina (Tucumán). Type ♂ AMNH*.
- FASCIATA Curran, 1932a:4. Type-locality: "Peru". Distr. — Ecuador, Peru. Type ♀ AMNH*. Ref. — Fluke, 1942:23, figs. 28 (head), 29 (abdomen); 1950a:129, fig. 137 (male genitalia).
- FASCIFRONS (Macquart), 1846:265 (137), pl. 11, fig. 11 (wing) (*Syrphus*). Type-locality: "Nouvelle Grenade". Distr. — same. Type ♂ OXF*. N. COMB.
- FLAVIBUCA Enderlein, 1938:216. Type-locality: "Paraguay". Distr. — Colombia, Brazil, Paraguay, Uruguay, Argentina (Buenos Aires, Salta). Types ♂ & ♀ ZMB.
- var. INTERRUPTA Enderlein, 1938:216. Type-locality: Uruguay, Montevideo. Types ♂ & ♀ ZMB.
- FLAVOPHYLLA (Hull), 1943h:319 (*Rhinoprosopa*). Type-locality: Peru, Perené Valley. El Campamiento. Distr. — same. Type ♀ CU. Ref. — Hull, 1949d:269, fig. 6b (head); 1949e:222, fig. 146 (abdomen). N. COMB.
- FLUKEI Curran, 1936b:13. Type-locality: Cuba, Oriente, Sierra del Cobre, Loma del Gato. Distr. — same. Type ♂ AMNH*.
- FORRERI (Giglio-Tos), 1893:32 (*Sphaerophoria*). Type-locality: Mexico, Durango, La Ciudad; Solco, Cuernavaca. Distr. — same. Types ♂ & ♀ UTOR*. N. COMB.
- FUNERALIA (Hull), 1944c:27 (*Epistrophe*). Type-locality: Jamaica, New Castle. Distr. — same. Type ♂ MCZ.
- FUSCISQUAMA Curran, 1927b:4. Type-locality: Puerto Rico. Ensenada. Distr. — Puerto Rico, Virgin Islands. Type ♂ AMNH*. Ref. — Fluke, 1942:24, fig. 35 (abdomen).
- HARLEQUINA Hull, 1949a:76. Type-locality: Chile, Santiago. Distr. — same. Type ♂ Hull.
- HASTATA Fluke, 1942:17, fig. 37 (abdomen). Type-locality: Brazil, São Paulo. Distr. — Peru (Cuzco), Brazil (São Paulo). Type ♂ AMNH*.
- HERMOSA (Hull), 1941f:48 (*Fazia*). Type-locality: Brazil, São Paulo. Distr. — Brazil (Rio de Janeiro, São Paulo, Santa Catarina). Type ♂ Hull. Ref. — Fluke, 1942:8 (redescription), fig. 14 (abdomen); 1950a:125, fig. 110 (male genitalia).
- brunneola* Frey, 1946:170 (*Neoscaeva*; as *aeruginosifrons* var.) Type-locality: Brazil, Rio de Janeiro, Niterói. Type ♀ UZMH*. N. SYN.
- HIANS (Enderlein), 1938:213 (*Chasmia*). Type-locality: Mexico, Guadaluajara. Distr. — same. Type ♂ ZMB. N. COMB.
- HORTENSIS (Philippi), 1865:746 (*Syrphus*). Type-locality: Chile, Santiago, Valdivia. Distr. — Peru, Chile (Coquimbo — Magallanes), Argentina (Neuquén). Type(s) ? MNHNS. Ref. — Shannon, 1927a:24 (redescription); Shannon & Aubertin, 1933:131, figs. 24a & b (heads), 25a (abdomen); Fluke, 1942:24, fig. 50 (abdomen).



- var. BIMACULATA Enderlein, 1938:223. Type-locality: Chile, Comudes. Type ♂ ZMB.
- var. QUADRIMACULATA Enderlein, 1938:223. Type-locality: Chile, Comudes. Types ♂ ZMB.
- IMITATOR (Curran), 1925c:351 (*Epistrophe*). Type-locality: Colombia, Vista Nieve, San Lorenzo Mt. Distr. — Colombia, Ecuador, Bolivia. Type ♂ CU*. Ref. — Fluke, 1942:23, figs. 20 (head), 21 (abdomen).
- LATIFACIES (Shannon), 1927a:8 (*Claraphumula*). Type-locality: Peru, Tincachaca, 7000 ft. Distr. — Ecuador, Peru. Type ♂ USNM*. Ref. — Fluke, 1942:22, figs. 4 (head), 5 (abdomen); 1950a:127, figs. 127 & 125 (male genitalia); Vockeroth, 1969:165, fig. 86 (male genitalia).
- LIMBATA (Fabricius), 1805:251 (*Scaeva*). Type-locality: "Americae Insulis". Distr. — West Indies, Brazil (São Paulo, Paraná). Type ♂ MC.
- LUCIFERA (Hull), 1943m:216 (*Rhinoprosopa*). Type-locality: Ecuador, Pinas, 1600 ft. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:222, fig. 141 (abdomen). N. COMB.
- LUNA (Fluke), 1942:8, figs. 12 (abdomen), 13 (head) (*Epistrophe*). Type-locality: Ecuador, Tungurahua, Volcan Tungurahua, Minza Chica. Distr. — Ecuador. Type ♂ AMNH*. Ref. — Fluke, 1950a:129, fig. 139 (male genitalia).
- MACQUARTI (Blanchard), 1852:411 (*Syrphus*). Type-locality: Chile, Serena. Distr. — Chile (Santiago — Malleco), Argentina (Tucumán, La Rioja, Mendoza). Type(s) ? MNHN.
- australis* Shannon, 1927a:26, fig. 7 (head) (*Fazia*). Type-locality: "Chile". Type ♂ USNM.
- MEXICANA (Enderlein), 1938:212 (*Fazia*). Type-locality: "Mexico". Distr. — same. Type ♀ ZMB.
- MICRURA (Osten Sacken), 1877:330 (*Sphaerophoria*). Type-locality: U.S.A., California, The Geysers, Sonoma County; San Rafael; Brooklyn, near San Francisco. Distr. — U.S.A. (California, Washington, Texas); Mexico (Durango, Mexico City), Guatemala, Honduras, Ecuador. Types ♂ MCZ. Ref. — Fluke, 1942:23, fig. 32 (abdomen); 1950a:129, fig. 140 (male genitalia).
- picticauda* Bigot, 1884b:102 (*Sphaerophoria*). Type-locality: Mexico. Types ♂ & ♀ OXF*.
- MU (Bigot), 1884b:105 (*Mesograpta*?). Type-locality: "Mexico". Distr. — same. Type ♀ OXF*.
- MUNOZI Enderlein, 1938:222. Type-locality: Colombia, Bogotá. Distr. — same. Type ♀ ZMB.
- NASIGERA (Enderlein), 1938:212 (*Fazia*). Type-locality: "Colombia". Distr. — Colombia. Types ♂ & ♀ ZMB. N. COMB.
- NASUTA (Bigot), 1884b:103 (*Sphaerophoria*). Type-locality: "Mexico". Distr. — Mexico (Durango, Chiapas). Type ♂ OXF*. N. COMB.
- nasuta* Bigot, 1888:253 (*Sphaerophoria*; preocc. Bigot. 1884). Type-locality: "Mexico". Type ♂ OXF*. N. SYN.
- NEOTROPICA Curran, 1936b:14. Type-locality: Colombia, Popayán. Distr. — Colombia, Ecuador, Brazil (São Paulo, Santa Catarina), Argentina (Tucumán). Type ♂ AMNH*. Ref. — Fluke, 1942:24, fig. 49 (abdomen); 1950a:128, fig. 41 (male genitalia).
- OBLIQUA (Say), 1823:89 (*Scaeva*). Type-locality: "United States". Distr. — Canada (Quebec) west to U.S.A. (Oregon), south to Brazil (Santa Catarina). Type(s) ? lost. Ref. — Fluke, 1942:24, fig. 46 (abdomen); Vockeroth, 1969:165, fig. 85 (male genitalia).

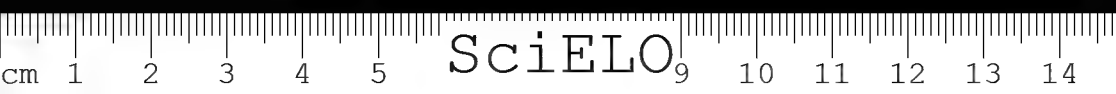
- var. DEJONGI Doesburg, 1958:44. Type-locality: "Curaçao". Distr. — same. Type ♂ Doesburg.
- PIURANA Shannon, 1927a:9, fig. 4 (abdomen). Type-locality: Peru, Dept. Piura. Distr. — Peru, Chile. Type ♀ USNM*. Ref. — Fluke, 1950a:129, fig. 143 (male genitalia).
- chilensis* Sack, 1941:98 (1951:94), fig. 1 (abdomen). Type-localities: Peru, Ica, Laguna Victoria near Ica, Yaucatal near Ica, Huayuri; Chile. Types ♂ ♀ MD? N. SYN.
- PLAUMANNI (Frey), 1946:168 (*Microsphaerophoria*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ UZMH*.
- PULCHRA Shannon, 1927a:25. Type-locality: Chile, Angol. Distr. — Chile (Coquimbo — Malleco). Type ♂ USNM*. Ref. — Shannon & Aubertin, 1933:132, figs. 24a' & 24b' (head), 25b (abdomen); Fluke, 1942:24, fig. 51 (abdomen).
- var. BIFASCIATA Enderlein, 1938:222. Type-locality: Chile, "Rango-Tal in den Cordilleren, Parral-Tal". Types ♂ ♀ ZMB.
- var. NIGRIBUCCA Enderlein, 1938:222. Type-locality: Chile. "Rango-Tal, Bäder von Longavi, Parral, Cauquenes." Types ♀ ZMB.
- var. SHANNONI Enderlein, 1938:222. Type-locality: Chile, "Rango-Tal in den Cordilleren." Type ♀ ZMB.
- QUADRICINCTA Enderlein, 1938:214. Type-locality: Colombia, Bogotá. Distr. — same. Types ♀ ZMB.
- REMIGIS (Fluke), 1942:9, fig. 15 (abdomen) (*Epistrophe*). Type-locality: Ecuador, Volcan Tungurahua, Minza Chica. Distr. — same. Type ♂ AMNH*. Ref. — Fluke, 1950a:124, fig. 97 (male genitalia as *altissimus*).
- RHINA Thompson (nom. nov. for *nasuta* Enderlein). Distr. — Paraguay. NOM. NOV.
- nasuta* Enderlein, 1938:214 (*Chasmia*; preocc. Bigot, 1884, 1888). Type-locality: Paraguay. Type ♀ ZMB or DEI.
- ROBINSONIANA Enderlein, 1940:664. Type-locality: Chile, Juan Fernández Islands, Masatierra. Distr. — same. Types ♂ ♀ NRS.
- ROBURORIS (Fluke), 1942:11, figs. 18 (abdomen), 19 (head) [*Epistrophe (Fazia)*]. Type-locality: Ecuador, Bolívar, Hda. Talahua. Distr. — Ecuador, Argentina (Tucumán). Type ♂ AMNH*.
- ROSTRATA (Bigot), 1884b:102 (*Sphaerophoria*). Type-locality: Mexico. Distr. — same. Types ♀ OXF*. N. COMB.
- SAUSSURII (Giglio-Tos), 1892d:2 (*Syrphus*). Type-locality: Mexico, Orizaba. Distr. — same. Type ♂ UTOR*. N. COMB.
- SCHOENEMANNI Enderlein, 1938:225. Type-locality: Chile, Cauquenes. Distr. — same. Type ♀ ZMB.
- SIMILIS Curran, 1925c:350. Type-locality: Colombia, Vista Nieve. Distr. — Colombia, Brazil (São Paulo, Santa Catarina), Argentina (Tucumán). Type ♀ CU*. Ref. — Fluke, 1942:23, fig. 27 (abdomen); 1950a:129, fig. 144 (male genitalia).
- SPLENDENS (Thomson), 1869:501 (*Syrphus*). Type-locality: Galápagos. Distr. — same. Types ♂ ♀ NRS*.
- STRIGIFACIES (Enderlein), 1938:211 (*Fazia*). Type-locality: "Brazil". Distr. — same. Types ♂ ♀ ZMB. N. COMB.
- SYCORAX (Hull), 1947b:239 (*Rhinoprosopa*). Type-locality: Costa Rica, La Suiza. Distr. — Costa Rica, Colombia, Venezuela. Type ♀ USNM.
- SYRPHICA (Giglio-Tos), 1892d:2 (*Sphaerophoria*). Type-locality: Mexico, Orizaba. Distr. — same. Type ♂ UTOR*. N. COMB. Ref. — Giglio-Tos, 1893:fig. 5 (abdomen), 5a (head).
- surphica*, Fluke, 1956:216, misspelling.



- Ref. — Hull 1949e:222, 270, figs. 149 (abdomen), 344 (wing).
N. COMB.
- TECTIFORMA Fluke, 1942:18, fig. 45 (abdomen). Type-locality: Ecuador, Imbabura Cuicocha, 3200 ft. Distr. — Ecuador. Type ♂ AMNH*.
Ref. — Fluke, 1950a:129, fig. 145 (male genitalia).
- TELIGERA Fluke, 1942:18, fig. 44 (abdomen). Type-locality: Brazil, Santa Catarina, Nove Teutônia. Distr. — Ecuador, Brazil (Santa Catarina). Type ♀ AMNH*.
- TRANSVERSA (Hull), 1943f:32 (*Sphaerophoria*). Type-locality: U.S.A., Oregon, near Portland. Distr. — U.S.A. (Oregon south to Texas); Mexico. Type ♂ Hull.
- TRIBINICINCTA Enderlein, 1938:224. Type-locality: Paraguay, San Bernardino. Distr. — same. Type ♂ ZMB or DEI.
- TRIFASCIATA Enderlein, 1938:218. Type-locality: "Mexico". Distr. — same. Type ♀ ZMB.
- TRILIMBATA (Bigot), 1888:253 (*Sphaerophoria*). Type-locality: Mexico. Distr. — same. Type ♂ OXF*. N. COMB.
- TUCUMANA Enderlein, 1938:220. Type-locality: Argentina, Prov. Tucumán. Distr. — same. Type ♂ ZMB.
- VENUSTA Curran, 1927b:5. Type-locality: Virgin Islands, St. Croix, Blessing Estate, near Krause Lagoon in south central part of island. Distr. — U.S.A. (Florida); Puerto Rico, Virgin Islands. Type ♂ AMNH*. Ref. — Fluke, 1942:24, fig. 38 (abdomen).
- WILLISTONI (Giglio-Tos), 1893:31, figs. 6 (head), 6a (abdomen) (*Sphaerophoria*). Type-locality: Mexico, Orizaba. Distr. — same. Types ♂ ♀ UTOR*. N. COMB.

Genus SPHAEROPHORIA Lepeletier & Serville

- SPHAEROPHORIA Lepeletier & Serville, in Latreille et al., 1828:513. Type-species, *Musca scripta* Linnaeus (Rondani, 1844:458).
- Melithreptus* Loew, 1840:577 (unjustified nom. nov. for *Sphaerophoria*; preocc. Vieillot, 1816). Type-species, *Musca scripta* Linnaeus (aut.).
- Melitropus* Haliday, 1856:xxi (nom. nov. for *Melithreptus* Loew). Type-species, *Musca scripta* Linnaeus (aut.).
- CONTIGUA Macquart, 1847:78 (62). Type-locality: U.S.A., Pennsylvania, Philadelphia. Distr. — Canada (British Columbia to New Brunswick), south to U.S.A. (Florida) and Mexico. Type ♂ OXF*.
- cylindrica* Say, 1824:pl. 11 (habitus) (*Syrphus*; preocc. Fabricius, 1781). Type-locality: U.S.A., Pennsylvania, Philadelphia, Type(s) ? lost.
- fulvicauda* Bigot, 1884b:104. Type-locality: Mexico. Type ♂ OXF*.
- PYRRHINA Bigot, 1884b:101. Type-locality: U.S.A., California. Distr. — U.S.A. (Idaho, California, Utah); Mexico [Wirth et al., 1965:570]. Type ♂ OXF.
- guttulata* Hull, 1942h:20. Type-locality: U.S.A., Idaho, Black Foot. Type ♀ Hull.
- SULPHURIPES (Thomson), 1869:500 (*Syrphus*). Type-locality: California. Distr. — U.S.A. (Alaska, southeast to Nebraska), south to Mexico, Ecuador? (specimen in BM(NH)*. Type ♂ ♀ NRS*.
- pachypyga* Bigot, 1884b:104. Type-locality: Mexico. Type ♂ OXF*.



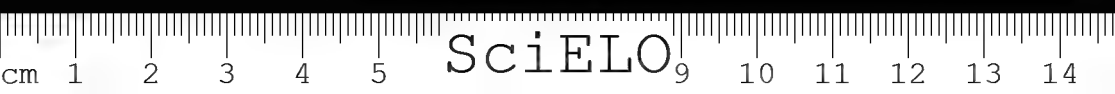
UNRECOGNIZED SYRPHINI

Genus ALLOGRAPTINA Enderlein

- ALLOGRAPTINA Enderlein, 1938:226. Type-species, *octomaculata* Enderlein (orig. des.).
OCTOMACULATA Enderlein, 1938:226. Type-locality: "Mexico". Distr. — same. Type ♀ ZMB.

Unplaced species

- AUROPULVERATUS Macquart, 1842:159 (99) (*Syrphus*). Type-locality: "Chile". Type ♂ MNHN (lost?) [label but no specimen in Macquart Collection at Paris — JRV].
BASALIS Walker, 1837:345 (*Syrphus*). Type-locality: Brazil, St. Paul Island. Type ? BM(NH).
basilaris, Williston, 1886:328, misspelling.
CHIQUITENSIS Macquart, 1850:458 (154) (*Syrphus*). Type-locality: Bolivia, Chiquitos. Type ♀ MNHN (lost?) [label but no specimen in Macquart Collection at Paris — JRV].
COLLUDENS Walker, 1860:293 (*Syrphus*). Type-locality: "Mexico". Type ♀ BM(NH).
COLUMBIANUS Rondani, 1863:11 (*Syrphus*). Type-locality: "Colombia". Type ♀ MIZUN?
DECEMMACULATUS Rondani, 1863:12 (*Syrphus*). Type-locality: "Chile". Type ♀ MIZUN?
DELINEATUS Macquart, 1846:267 (139) (*Syrphus*). Type-locality: "Mexico". Type ♀ MRHNB.
DISPAR Fabricius, 1794:309 (*Syrphus*). Type-locality: "America meridionalis". Types ♂ ♀ KIEL (Destroyed — Zimsen, 1964:481).
EXCAVATUS Rondani, 1850:359 (*Syrphus*). Type-locality: South America, Río Napo, [Ecuador]. Type ♀ MCSNH?
FASCIVENTRIS Rondani, 1850:360 (*Syrphus*). Type-locality: South America, Río Napo, [Ecuador]. Type ♀ MCSNM?
FLAVIGASTER Hull, 1944d:51 (*Syrphus*). Type-locality: "South America, Amazons". Type ♀ BM(NH).
FUSCANIPENNIS Macquart, 1846:264 (136) (*Syrphus*). Type-locality: "Brazil". Type ♂ OXF?
INANIS Fabricius, 1775:763 (*Syrphus*). Type-locality: "America". Type ♀ KIEL.
exinanita Gmelin, 1790:2867 (*Musca*; nom. nov. for *inanis* Fabricius).
NIGRITUS Fabricius, 1781:427 (*Syrphus*). Type-locality: "Jamaica". Type ??
jamaicensis Gmelin, 1790:2871 (*Musca*; nom. nov. for *nigritus* Fabricius).
PLURIMACULATUS Rondani, 1863:12 (*Syrphus*). Type-locality: "Amer. Meridion.". Type ♀ MIZUN?
PUNCTATUS Macquart, 1842:152 (92) (*Syrphus*). Type-locality: "Chile". Type ♀ MNHN [not found — JRV].
RADIATUS Bigot, 1857:805 (*Syrphus*). Type-locality: Cuba. Type ? BM(NH)? [not at OXF — JRV].
RONDANII Goot, 1964:215 (*Syrphus*; nom. nov. for *albitarsis* Rondani). Distr. — Brazil, São Paulo, Ilha de São Sebastião. (S. Sebastiani Island).
albitarsis Rondani, 1850a:166, fig. 3 (wing) (*Syrphus*; preocc. Meigen,



1822). Type-locality: Brazil, São Paulo, Ilha de São Sebastião (S. Sebastiani Island). Type UTOR.
VERTEBRATUS Rondani, 1863:10 (*Syrphus*). Type-locality: "Chile". Type ♂ MIZUN?

Tribe CHRYSOTOXINI

Genus CHRYSOTOXUM Meigen

Antiope Meigen, 1800:32. Type-species, *Musca bicincta* Linnaeus (Coquillett, 1910a:508). Suppressed by I.C.Z.N., 1963:339.
CHRYSOTOXUM Meigen, 1803:275. Type-species, *Musca bicincta* Linnaeus (Latreille, 1810:443). Ref. — Shannon, 1926b (rev.).

Subgenus PRIMOCHRYSOTOXUM Shannon

Chrysotoxum, subg. PRIMOCHRYSOTOXUM Shannon, 1926b:5. Type-species, *Chrysotoxum ypsilon* Williston (orig. des.).
AZTEC Shannon, 1926b:8. Type-locality: Mexico, Chihuahua, Sierra Madre, 7300 ft. Distr. — same. Type ♂ USNM.
INTEGRE Williston, 1887:16. Type-locality: U.S.A., Arizona. Distr. — Canada (British Columbia) to U.S.A. (Idaho), south to Mexico (N. Sonora). Type ♀ USNM. Ref. — Shannon, 1926b:11 (descriptive notes).

Tribe PARAGINI

Genus PARAGUS Latreille

PARAGUS Latreille, 1804:194. Type-species, *Syrphus bicolor* Fabricius (mon.).

Subgenus PANDASYOPHTHALMUS Stuckenberg

PANDASYOPHTHALMUS Stuckenberg, 1954:100. Type-species, *Paragus longiventris* Loew (orig. des.).
TIBIALIS (Fallén), 1817:60 (*Pipiza*). Type-locality: "Vestrogothia; Scaniae". Distr. — Holarctic, ?Africa, ?Australia, ?Oriental; Mexico. Type ? ?

Tribe MELANOSTOMATINI

Ref. — Fluke, 1945 (rev., keys); Fluke, 1958 (male genitalia).

Genus CARPOSCALIS Enderlein

CARPOSCALIS Enderlein, 1938:199. Type-species, *Syrphus stegnus* Say (orig. des.).
BERTRANDI (Austen), 1913:498 (*Melanostoma*). Type-locality: East Falkland Island. Distr. — Falkland Islands. Types ♂ ♀ BM(NH)*. N. COMB.
CHAETOPODA (Davidson), 1922:35 (*Melanostoma*). Type-locality: U.S.A., California, Alhambra. Distr. — U.S.A. (California, Colorado); Mexico (Mexico City). Type ♂ USNM. Ref. — Fluke, 1945:27, figs. 19 (head), 56 (front tibia of male); 1958:273, figs. 49 & 50 (male genitalia).
CHALCONOTA (Philippi), 1865:747 (*Syrphus*). Type-locality: Chile, Santiago.

- Distr. — Colombia (Bogotá), Ecuador, Chile, Argentina (Río Negro, Tierra del Fuego). Type(s) ? MNHNS. Ref. — Fluke, 1945:15 (redescription), figs. 22 (head), 23 (antenna), 38 (abdomen); 1958:273, figs. 51 & 52 (male genitalia).
- ECUADORIENSIS (Fluke), 1945:16, figs. 25 (head), 59 (front tibia of male) [*Melanostoma* (*Carpascalis*)]. Type-locality: Ecuador, Imbabura. Cuicocha. Distr. — same. Type ♂ AMNH*. Ref. — Fluke, 1958:273, figs. 59 & 60 (male genitalia); Hull, 1949d:289, fig. 10c (head).
- ELWARDI (Shannon & Aubertin), 1933:133 (*Melanostoma*). Type-locality: Argentina, Bariloche. Distr. — same. Type ♂ BM(NH)*. N. COMB.
- FENESTRATA (Macquart), 1842:163 (103), tab. 17, fig. 6 (habitus), 6a (head) (*Syrphus*). Type-locality: "Chile". Distr. — Mexico (Durango, Guerrero), Brazil (Rio de Janeiro), Chile (Santiago to Magallanes), Paraguay, Argentina (Tucumán, Buenos Aires, Mendoza, Neuquén, Río Negro, Chubut, Tierra del Fuego). Types ♀ MNHN*. Ref. — Fluke, 1945:15 (descriptive notes), figs. 21 (head), 57 (male front tibia); Fluke, 1958:273, figs. 56 & 64 (male genitalia).
- ?*producta* Macquart, 1850:458 (154), tab. 14, fig. 13 (head) (*Syrphus*). Type-locality: Chile. Types ♂ MNHN*.
- INFLATIFRONS (Fluke), 1945:21, fig. 31 (head) (*Melanostoma*). Type-locality: Ecuador, Bolívar, Hda. Talahua. Distr. — same. Type ♀ AMNH*. Ref. — Fluke, 1958:273, figs. 55 & 63 (male genitalia).
- LUNDEBLADI Enderlein, 1940:665. Type-locality: Chile, Juan Fernández Islands, Masatierra. Distr. — same. Type ♀ NRS. Ref. — Fluke, 1958:273, figs. 61 & 62 (male genitalia).
- MEYERI (Fluke), 1945:17, fig. 24 (head) (*Melanostoma*). Type-locality: Mexico, Mexico City. Distr. — same. Type ♀ AMNH*. N. COMB.
- PUNCTULATA (Wulp), 1888:375 (*Melanostoma*). Type-locality: Argentina, Córdoba. Distr. — Ecuador, Peru, Brazil (São Paulo), Bolivia, Chile, Argentina (Tucumán, Catamarca, La Rioja, Jujuy, Mendoza, Buenos Aires, Río Negro, Neuquén). Types ♂ ♀ lost? Ref. — Fluke, 1945:14 (redescription), figs. 20 (head), 58 (front tibia of male); 1958:275, figs. 67 & 68 (male genitalia).
- REYNOLDSI (Shannon & Aubertin), 1933:134 (*Melanostoma*). Type-locality: Tierra del Fuego, Río Grande, Estancia Viamonte. Distr. — same. Types ♂ ♀ BM(NH)*. N. COMB.
- SALTANA Enderlein, 1938:200. Type-locality: Argentina, Salta, 2500 m. Distr. — Ecuador, Argentina (Salta, Buenos Aires, Río Negro). Type ♂ ZMB.
- SCUTIGERA (Fluke), 1945:20, fig. 30 (head) (*Melanostoma*). Type-locality: Ecuador, Pichincha, Uyumbicho. Distr. — same. Type ♂ AMNH*. N. COMB.
- STEGNA (Say), 1829:163 (*Syrphus*). Type-locality: "Mexico". Distr. — Canada (British Columbia) to U.S.A. (Montana), south to Mexico (Durango, Guerrero, Vera Cruz). Type ? lost. Ref. — Fluke, 1945:14, figs. 18 (head), 55 (front tibia of male); 1958:275, figs. 73 & 74 (male genitalia).
- WALKERI (Lynch Arribálzaga), 1892b:117 (1892c:75) (*Syrphus*, nom. nov. for *unicolor* Walker). N. COMB.
- unicolor* Walker, 1837:344 (*Syrphus*; preocc. Macquart, 1829). Type-locality: Argentina. Port Famine, Straits of Magellan. Type ? BM(NH)*. N. COMB.



Genus MELANOSTOMA Schiner

- MELANOSTOMA Schiner, 1860:213. Type-species, *Musca mellina* Linnaeus orig. des.).
- BELLUM Giglio-Tos, 1892d:3. Type-locality: "Mexico". Distr. — same. Types ♀ UTOR*. Ref. — Giglio-Tos, 1893: fig. 7 (abdomen), 7a (head).
- CRUCIATUM Bigot, 1884b:81. Type-locality: "Mexico". Distr. — same. Type ♂ OXF*.
- DUBIUM (Zetterstedt), 1838:609 (*Scaeva*). Type-locality: Sweden, Torne Lappmark, Juckasjärvi. Distr. — Europe; U.S.A. (Utah, Colorado); Mexico? (Wirth, *et al.*, 1965:575). Type ♀ ZML (Andersson, 1970:239, lectotype designation).
- MELLINUM (Linnaeus), 1758:594 (*Musca*). Type-locality: "Europe". Distr. — Holarctic; Mexico? [Williston, 1891:11], Argentina? [Macquart, 1850:456 (152)]. Types ♀ LSL*. Ref. — Williston, 1887b:49 (redescription), pl. 3, fig. 9 (head).
- PICTIPES Bigot, 1884b:78. Type-locality: U.S.A., California. Distr. — Canada (British Columbia east to Nova Scotia), south to Mexico (Mexico City, Guerrero). Types ♂ OXF*.
- pruinosa* Bigot, 1884b:79. Type-locality: U.S.A., California. Type ♀ OXF.

Genus RHYSOPS Williston

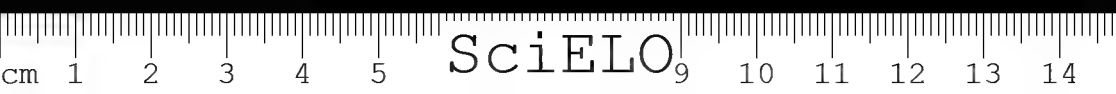
- RHYSOPS Williston, 1907:2. Type-species, *Melanostoma rugosonassus* Williston (Coquillett, 1910a:601, as *rugonassus* Williston).
- Braziliana* Curran, 1925b:252. Type-species, *Melanostoma longicornis* Williston (orig. des.) = *longicornis* Walker.
- AGONIS (Walker), 1849:588 (*Syrphus*). Type-locality: Galápagos Islands. Distr. — same. Type ♂ BM(NH)*. N. COMB.
- ALTISSIMUS (Fluke), 1945:20, figs. 48 & 49 (abdomen) (*Melanostoma*). Type-locality: Ecuador, Imbabura, Cuicocha. Distr. — Ecuador, Colombia. Type ♂ AMNH*. Ref. — Fluke, 1958:277, figs. 95 & 96 (male genitalia).
- BERTHAЕ* Lima, 1946:155, figs. 1 (head), 2 (abdomen), 3 (wing). Type-locality: Brazil, Rio de Janeiro. Distr. — same. Type ♂ ENA.
- BOLIVARIENSIS (Fluke), 1945:19, figs. 29 (head), 45 (abdomen) (*Melanostoma*). Type-locality: Ecuador, Bolivar, Hda. Talahua. Distr. — same. Type ♂ AMNH*. Ref. — Fluke, 1958:277, figs. 97 & 98 (male genitalia).
- BROWNI (Fluke), 1945:18, figs. 27 (antenna), 28 (head), 44 (abdomen) (*Melanostoma*). Type-locality: Ecuador, Bolivar, Hda. Talahua. Distr. — same. Type ♂ AMNH*. Ref. — Fluke, 1958:277, figs. 107 & 108 (male genitalia).
- CATABOMBA (Williston), 1891:12 (*Melanostoma*). Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft.; Amula, 6000 ft. Distr. — same. Types ♂ BM(NH)* & AMNH*. Ref. — Fluke, 1945:5 (redescription), fig. 2 (head).
- COLUMBIANUS (Enderlein), 1938:202 (*Braziliana*). Type-locality: Colombia, "Cordillera, tierra templada". Distr. — same. Types ♂ ♀ ZMB.
- CRENULATUS (Williston), 1891:12, pl. 1:5 (habitus), 5a+b (head) (*Melanostoma*). Type-locality: Mexico, Guerrero, Xucumanatlán, 7000 ft.; Omiltemi, 8000 ft. Distr. — same. Types ♂ ♀ BM(NH)* & AMNH*. Ref. — Fluke, 1945:5, fig. 3 (head).

- CURRANI Fluke, 1937:8, fig. 10 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. Ref. — Fluke, 1945:9 (redescription), fig. 10 (head); 1958:277, figs. 101 & 102 (male genitalia).
- FASTIGATUS Fluke, 1945:4, figs. 4 (head), 37 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Tucumán). Type ♂ AMNH*. Ref. — Fluke, 1958:277, figs. 99 & 100 (male genitalia).
- FESTIVUS Fluke, 1945:10, figs. 13 (head), 42 (abdomen). Type-locality: Ecuador, Tungurahua, Baños, 1800 ft. Distr. — same. Type ♂ AMNH*.
- FUNEREUS Hull, 1949a:74. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ Hull.
- LANEI (Fluke), 1936:61, figs. 4 (abdomen), 5 (head) (*Melanostoma*). Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo, Santa Catarina), Argentina (Formosa, Salta, Tucumán). Type ♂ AMNH*. Ref. — Fluke, 1945:26, fig. 14 (head); 1958:277, figs. 103 & 104 (male genitalia).
- lachrymellea* Hull, 1942b:10. Type-locality: Brazil, São Paulo. Type ♂ Hull.
- LINEATUS (Fluke), 1937:9, fig. 11 (abdomen) (*Melanostoma*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type AMNH*. Ref. — Fluke, 1945:7, fig. 7 (head); 1958:277, figs. 105 & 106 (male genitalia).
- LONGICORNIS (Walker), 1837:343 (*Pipiza*). Type-locality: "South America". Distr. — Guatemala, Colombia, Ecuador, Brazil (Mato Grosso, Santa Catarina), Paraguay. Type ♀ BM(NH)*. Ref. — Fluke, 1945:3, fig. 1 (head); 1958:269, 279, figs. 4, 14, 133 (male genitalia). N. COMB.
- longicornis* Williston, 1888:263 (*Melanostoma*; preocc. Walker, 1837). Type-locality: Brazil, Mato Grosso, Chapada. Types ♂ ♀ AMNH*. N. SYN.
- vittithorax* Hull, 1937a:176, fig. 9 (head) (*Braziliana*). Type-locality: Guatemala, Antigua. Type ♀ USNM.
- LOPESI Fluke, 1945:6, fig. 5 (head). Type-locality: Brazil, São Paulo, São José dos Campos. Distr. — same. Type ♀ AMNH*.
- LUCULENTUS (Fluke), 1945:17, figs. 26 (head), 46 (abdomen) (*Melanostoma*). Type-locality: Ecuador, Tungurahua, Baños. Distr. — same. Type ♂ AMNH*. N. COMB.
- MACULATUS (Walker), 1852:220 (*Paragus*). Type-locality: "Brazil". Distr. — Brazil (Santa Catarina), Argentina (Tucumán). Type ♀ BM(NH)*. Ref. — Fluke, 1958:279, figs. 109 & 110 (male genitalia). N. COMB.
- minuscula* Fluke, 1945:11, figs. 16 (head), 17 (antenna), 47 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ AMNH*. N. SYN.
- discretum* Frey, 1946:157 (*Melanostoma*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ UZMH*. N. SYN.
- MELANOCERA (Williston), 1891:13 (*Melanostoma*). Type-locality: Costa Rica, Río Sucio. Distr. — same. Types ♀ BM(NH).
- NEOTROPICUS (Curran), 1937:4 (*Melanostoma*). Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo, Santa Catarina), Argentina (Misiones). Type ♂ AMNH*. Ref. — Fluke, 1958:279, figs. 117 & 118 (male genitalia).
- columella* Fluke, 1945:8, figs. 9 (head), 39 & 40 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ AMNH*.

- NIGRANS Fluke, 1945:8, fig. 8 (head). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (São Paulo, Santa Catarina). Type ♀ AMNH*. Ref. — Fluke, 1958:279, figs. 111 & 112 (male genitalia).
- OPACUS Fluke, 1945:10, fig. 15 (head). Type-locality: Ecuador, Chimborazo, Urbina, Cerro Chimborazo. Distr. — same. Type ♂ AMNH*. Ref. — Fluke, 1958:279, figs. 115 & 116 (male genitalia).
- PERUVIANUS (Shannon), 1927a:7 (*Braziliana*). Type-locality: Peru, Río Charape. Distr. — same. Type ♂ USNM.
- POLLINOSUS Hull, 1942b:10. Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo), Argentina (Tucumán). Type ♀ Hull. Ref. — Fluke, 1945:26, fig. 11 (head); 1958:279, figs. 113 & 114 (male genitalia).
- PRAEUSTUS (Loew), 1866a:155 (1872b:29) (*Syrphus*). Type-locality: Cuba. Distr. — same. Type ♀ MCZ*. N. COMB.
- QUADRIMACULATUS Hull, 1944c:28. Type-locality: Cuba, Wright. Distr. — Cuba, Dominican Republic. Type ♂ MCZ*. Ref. — Fluke, 1945:9 (redescription), figs. 12 (head), 41 (abdomen).
- REX (Fluke), 1945:21, figs. 32 (head), 50 (abdomen) (*Melanostoma*). Type-locality: Ecuador, Bolivar, Hda. Talahua. Distr. — same. Type ♂ AMNH*. Ref. — Fluke, 1958:277, figs. 93 & 94 (male genitalia).
- RUGOSONASUS (Williston), 1891:13 (*Melanostoma*). Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft. Distr. — Mexico (Mexico City, Guerrero). Type ♀ BM(NH)*. Ref. — Fluke, 1945:7 (redescription), fig. 6 (head); 1958:269, 279, figs. 6, 15 & 130 (male genitalia).
rugonasus, Aldrich, 1905:361; Williston, 1907:2, Coquillett, 1910a:601, misspellings.
- SCITULUS (Williston), 1888:264 (*Melanostoma*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Types ♂ AMNH*. Ref. — Fluke, 1945:7 (redescription), figs. 43 (abdomen), 54 (wing).
- THIEMEI (Enderlein), 1938:201 (*Braziliana*). Type-locality: Colombia. "Cordillera, tierra templada". Types ♂ & ♀ ZMB.
- TROPICUS (Curran), 1937:3 (*Melanostoma*). Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Ecuador, Brazil (São Paulo), Argentina (Tucumán). Type ♂ AMNH. N. COMB.

Genus XANTHANDRUS Verrall

- XANTHANDRUS Verrall, 1901:316. Type-species, *Musca comptus* Harris (Coquillett, 1910a:620). Ref. — Fluke, 1937 (key).
- BIGUTTATUS Hull, 1945b:73. Type-locality: Paraguay, Molino-Cué. Distr. — same. Type ♀ MCZ*.
- BUCEPHALUS (Wiedemann), 1830:126 (*Syrphus*). Type-locality: "Brazil". Distr. — Peru, Brazil (São Paulo). Type ♂ ZMB. Ref. — Fluke, 1958:279, figs. 119 & 120 (male genitalia).
- CUBANUS Fluke, 1936:63, figs. 6 (abdomen), 7 (head). Type-locality: Cuba, Sierra del Cobra, Loma del Gato, 2600-3325 ft. Distr. — Cuba, Puerto Rico. Type ♂ AMNH*.
- nigripes* Loew, 1866a:155 (1872b:29). (*Syrphus*, preocc. Meigen, 1822). Type-locality: "Cuba". Type ♂ MCZ*. N. SYN.
- loewi* Gott, 1964:215 (*Syrphus*; unjustified nom. nov. for *nigripes* Loew). N. SYN.
- FLAVOMACULATUS Shannon, 1927a:6. Type-locality: Bolivia, Beni, Rurrenala-



- baque. Distr. — same. Type ♂ USNM. Ref. — Fluke, 1937:5, fig. 7 (abdomen).
- MELLINOIDES (Macquart), 1846:265 (137) (*Syrphus*). Type-locality: "Colombia". Distr. — Mexico, Colombia, Venezuela. Type ♂ OXF*. N. COMB.
- eucerus* Bigot, 1884b:82 (*Melanostoma*?). Type-locality: Colombia, Bogotá. Type ♂ OXF*. N. SYN.
- MEXICANUS Curran, 1930f:9. Type-locality: Mexico, Yucatán, Chichén Itzá. Distr. — U.S.A. (Texas); Mexico (Chiapas, Yucatán), Costa Rica. Type ♀ AMNH*.
- NITIDULUS Fluke, 1937:7, fig. 8 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Jujuy, Salta). Type ♂ AMNH*. Ref. — Fluke, 1958:279, figs. 121 & 122 (male genitalia).
- PALLIATUS (Fluke), 1945:22, figs. 33 (head), 35 (antenna), 51 & 52 (abdomen) (*Melanostoma*). Type-locality: Ecuador, Tungurahua, Minza Chica. Distr. — same. Type ♀ AMNH*. N. COMB.
- PLAUMANNI Fluke, 1937:8, fig. 4 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*.
- QUADRINOTATUS (Bigot), 1884b:77 (*Melanostoma*?). Type-locality: "Mexico". Distr. — same. Type ♀ OXF*. N. COMB.
- SIMPLEX (Loew), 1861:40 (*Syrphus*). Type-locality: "Cuba". Distr. — same. Type ♀ MCZ*. N. COMB.
- SMITHI (Goot), 1964:215 (*Syrphus*; nom. nov. for *albomaculatus* Smith). Distr. — Galápagos Islands.
- albomaculatus* Smith, 1877:84 (*Syrphus*; preocc. Macquart, 1842). Type-locality: Ecuador, Galápagos Islands, Charles Island. Type ? BM(NH) [not found — JRV].

Genus TALAHUA Fluke

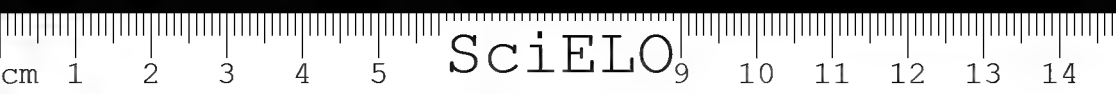
- Melanostoma*, subg. TALAHUA Fluke, 1945:22. Type-species, *fervidum* Fluke (orig. des.).
- FERVIDA (Fluke), 1945:23, figs. 34 (head), 35 (male genitalia), 53 (abdomen) (*Melanostoma*). Type-locality: Ecuador, Bolivar, Hda. Talahua. Distr. — same. Type ♂ AMNH*. Ref. — Fluke, 1958:279, fig. 123 (male genitalia).

Genus TUBERCULANOSTOMA Fluke

- TUBERCULANOSTOMA Fluke, 1943:425. Type-species, *antennatum* Fluke (orig. des.). Ref. — Fluke, 1943 (key).
- ANTENNATUM Fluke, 1943:426, figs. 1 & 2 (head), 3 (antenna). Type-locality: Ecuador, Bolivar, Hda. Talahua, 3100 ft. Distr. — Ecuador. Type ♂ AMNH*. Ref. — Fluke, 1958:279, figs. 124 & 125 (male genitalia).
- BROWNI Fluke, 1943:429, figs. 7 (head), 8 (front femur and tibia). Type-locality: Ecuador, Chimborazo, Cerro Chimborazo, Urbina, 3650 ft. Distr. — Ecuador. Type ♂ AMNH*.
- CILIUM Fluke, 1943:428, figs. 4 & 5 (head). Type-locality: Ecuador, Tungurahua, Volcán Tungurahua, Minza Chica, 3200 ft. Distr. — same. Type ♂ AMNH*.
- PECTINIS Fluke, 1943:430, figs. 6 (head), 9 (front femur). Type-locality: Ecuador, Bolivar, Hda. Talahua, 3100 ft. Distr. — same. Type ♂ AMNH*.

Genus LEUCOPODELLA Hull

- LEUCOPODELLA Hull, 1949e:94. Typespecies, *Baccha lanei* Curran (orig. des.).
- Xestoprosopa* Hull, 1949e:94. Type-species, *Baccha delicatula* Hull (orig. des.). N. SYN.
- ASTHENIA (Hull), 1948a:4 (*Baccha*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Ecuador, Brazil (São Paulo, Santa Catarina). Type ♂ AMNH*. Ref. — Hull, 1943j:65, fig. 2 (alula); 1949e:228, figs. 170 & 175 (abdomen).
- BALBOA (Hull), 1947b:230 (*Baccha*). Type-locality: Costa Rica, La Suiza. Distr. — same. Type ♂ USNM. Ref. — Hull, 1949e:228, figs. 172 & 174 (abdomen).
- BELLA (Hull), 1947a:401 (*Baccha*). Type-locality: Costa Rica, La Suiza. Distr. — same. Type ♀ USNM. Ref. — Hull, 1949e:228, fig. 173 (abdomen).
- BIGOTI (Austen), 1893:147 (*Baccha*; nom. nov. for *apicalis* Bigot). Distr. — Panama, Brazil. Ref. — Hull, 1949e:228, 264, figs. 171 (abdomen), 322 (wing).
- apicalis* Bigot, 1883b:334 (*Baccha*; preocc. Loew, 1858). Type-locality: "Brazil". Type ♀ BM(NH).
- bigotii*, Hull, 1949e:104, 287, misspelling.
- BIPUNCTIPENNIS (Hull), 1942a:99 (*Baccha*). Type-locality: Paraguay, Bella Vista. Distr. — same. Type ♀ MCZ. Ref. — Hull, 1949e:204, 264, figs. 62 (abdomen), 324 (wing).
- BOABDILLA (Hull), 1947a:403 (*Baccha*). Type-locality: Paraguay, Alto Paraná, Hohenau. Distr. — same. Type ♀ USNM. Ref. — Hull, 1949e:228, 264, figs. 177 (abdomen), 320 (wing).
- BOADICEA (Hull), 1943i:72 (*Baccha*). Type-locality: Ecuador, Pinas, 1506 m. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:202, fig. 55 (abdomen).
- CARMELITA (Hull), 1948a:9 (*Baccha*). Type-locality: Haiti, La Visite, vic. La Selle Range, 5-7000 ft. Distr. — same. Type ♀ MCZ.
- DELICATULA (Hull), 1943j:78, fig. 72 (abdomen) (*Baccha*). Type-locality: Ecuador, Tungurahua, Baños. Distr. — same. Type ♂ Hull. Ref. — Hull, 1949e:206, 264, figs. 72 (abdomen), 327 (wing). N. COMB.
- ESTRELITA (Hull), 1948a:1 (*Baccha*). Type-locality: Cuba, Trinidad Mts., Buenos Aires. Distr. — Cuba; (Argentina record in Fluke, 1956: 245, is an error). Type ♂ MCZ.
- GOWDEYI (Curran), 1926c:102 (*Baccha*). Type-locality: Jamaica, Cinchona. Distr. — same. Type ♀ BM(NH). Ref. — Hull, 1949e:206, 256, figs. 73 (abdomen), 292 (wing).
- GRACILIS (Williston), 1891:34 (*Baccha*). Type-locality: Mexico, Vera Cruz, Orizaba; Guerrero, Omiltemi, 8000 ft. Distr. — Mexico (Sinaloa, Durango, Vera Cruz, Guerrero, Chiapas). Types ♂ ♀ BM(NH)*. Ref. — Hull, 1949e:228, fig. 176 (abdomen).
- INCOMPTA (Austen), 1893:147, pl. 4:13 (habitus) (*Baccha*). Type-locality: Brazil, Region of Amazon. Distr. — Puerto Rico, Honduras, Guyana, Argentina (Jujuy, Tucumán). Types ♂ BM(NH). Ref. — Hull, 1949e:264, fig. 323 (wing).
- LANEI (Curran), 1936b:16 (*Baccha*). Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Trinidad, Brazil (São Paulo, Santa Catarina). Type ♂ AMNH*. Ref. — Carrera, 1940:66 (description of female), fig. 1 (habitus); Hull, 1949e:198, 264, figs. 31 (abdomen), 321 (wing); 1949d:289, fig. 10e (head).



- MARMORATA (Bigot), 1883d:333 (*Baccha*). Type-locality: "Mexico". Distr. — U.S.A. (Arizona), Mexico (Durango). Type ♂ BM(NH). Ref. — Giglio-Tos, 1893:fig. 19 (head).
- OLGA (Hull), 1942a:95 (*Baccha*). Type-locality: Panama, Chilibre. Distr. — same. Type ♀ MCZ. Ref. — Hull, 1949e:204, 264, figs. 67 (abdomen), 325 (wing).
- RUBIDA (Williston), 1891:34, pl. 1:8 (habitus), 8a+b (heads) (*Baccha*). Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft.; Sierra de las Aguas Escondidas, 9500 ft. Distr. — same. Types ♂ ♀ BM(NH) & AMNH*. Ref. — Hull, 1949e:200, 238, 264, figs. 44 (abdomen), 317 (abdomen), 326 (wing).
- ZENILLA (Hull), 1943j:77 (*Baccha*). Type-locality: Ecuador, Bolivar, Hda. Talahua, 3100 m. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1949e:238, 256, figs. 218 (abdomen), 291 (wing).

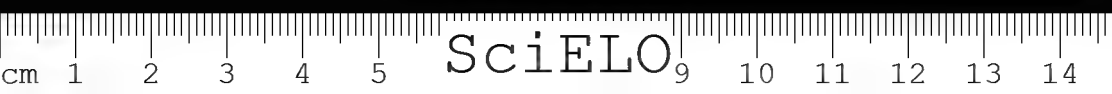
Unplaced species of MELANOSTOMINI

- COLUMBIANUM Enderlein, 1938:198 (*Melanostoma*). Type-locality: Colombia, "Cordilleren, tierra fria". Type ♀ ZMB?
- CRASSICALX Enderlein, 1938:197 (*Pachysphyria*). Type-locality: Brazil, Santa Catarina, Hochland. Type ♂ ♀ ZMB?
- CYANEOCINCTA (Bigot), 1885a:251 (*Melanostoma*). Type-locality: "Mexico". Type ♂ OXF?
- LIMBATUM Enderlein, 1938:198 (*Melanostoma*). Type-locality: Argentina, Prov. Tucumán. Types ♂ ♀ ZMB?
- LONGIGENA Enderlein, 1912:102 (*Melanostoma*). Type-locality: Tierra del Fuego, Ushuaia. Type ♀ ZMB?

Tribe TOXOMERINI

Genus TOXOMERUS Macquart

- TOXOMERUS Macquart, 1855:112 (1855:92). Type-species, *notatus* Macquart (orig. des.) = *geminatus* (Say).
- Mesogramma* Loew, 1866a:157 (1872b:31) (preocc. Stephens, 1850). Type-species, *parvula* Loew (Williston, 1887b:98).
- Mesograptus* Loew, 1872:114 (1872b:290) (nom. nov. for *Mesogramma* Loew). Type-species, *parvula* Loew (aut.).
- Mitrosphen* Enderlein, 1938:227. Type-species, *Syrphus tibicen* Wiedemann (orig. des.).
- Antiope* Enderlein, 1938:228. Type-species, *Mesograptus* ? *saphiridiceps* Bigot (orig. des.).
- Hybobathus* Enderlein, 1938:233. Type-species, *quadrilineatus* Enderlein (orig. des.).
- Hypobathus*, Fluke, 1956:217, misspelling.
Ref. — Hull, 1943i (key).
- AEOLUS (Hull), 1942d:47 (*Mesogramma*). Type-locality: Cuba, Soledad, Atkins Institute, Harvard Gardens. Distr. — same. Type ♂ Hull. N. COMB.
- ALPHABETICUS (Hull), 1942a:105 (*Mesogramma*). Type-locality: Mexico, Vera Cruz, Jalapa. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1943i:35, fig. 50 (abdomen). N. COMB.
- var. FLAVOPOCULA (Hull), 1948b:9 (*Mesogramma*). Type-locality: Venezuela, San Esteban. Distr. — same. Type ♂ Hull. N. COMB.

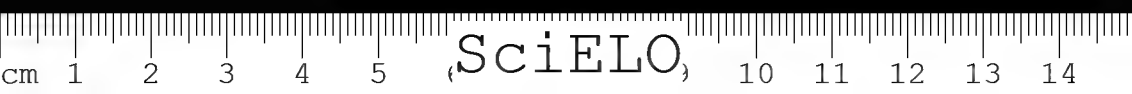


- ANNULIFER (Bigot), 1884b:84 (*Melanostoma?*). Type-locality: "Mexico". Distr. — same. Type ♀ OXF*. N. COMB.
- ANTHRAX (Schiner), 1868:350 (*Mesogramma*). Type-locality: "South America". Distr. — Colombia, Guyana, Ecuador, Peru. Types ♂ ♀ VMNH*.
- var. FLAMMARIUS (Hull), 1943i:27 (*Mesogramma*). Type-locality: Honduras, Puerto Castilla. Distr. — same. Type ♂ Hull. N. COMB.
- ANTIOPA (Hull), 1951a:3 (*Mesogramma*). Type-locality: Ecuador, Chimborazo, Urbina. Distr. — Ecuador. Type ♂ AMNH*. N. COMB.
- AQUILINUS Sack, 1941:100 (1951:96), fig. 2 (abdomen). Type-locality: Peru, Bolivia. Distr. — Panama, Peru, Brazil, Bolivia, Argentina. Types ♂ ♀ MD? Ref. — Hull, 1943i:35, fig. 41 (abdomen).
anchoratus, auctorum.
- ARCIFER (Loew), 1866a:160 (1872b:34) (*Mesograptia*). Type-locality: "Cuba". Distr. — Cuba, Jamaica, Haiti, Puerto Rico, Dominica, Ecuador, Peru. Types ♂ ♀ MCZ*. Ref. — Hull, 1943i:33, figs. 67, 68 (abdomen).
- ARCTURUS (Hull), 1943i:18 (*Mesogramma*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.
- AURULENTUS (Williston), 1887b:102 (*Mesograptia*). Type-locality: Cuba, San Domingo. Distr. — Cuba, Costa Rica. Types ♂ ♀ USNM*. Ref. — Hull, 1943i:29, fig. 12 (abdomen).
- AZURLINEUS (Hull), 1941i:433 (*Mesogramma*). Type-locality: British Honduras, El Cayo. Distr. — British Honduras. Type ♂ USNM*. Ref. — Hull, 1943i:29, fig. 10 (abdomen). N. COMB.
- BARBULUS (Walker), 1852:238 (*Syrphus*). Type-locality: "Brazil". Distr. — same. Types ♀ BMMH*. N. COMB.
- BASILARIS (Wiedemann), 1830:143 (*Syrphus*). Type-locality: "Brazil". Distr. — U.S.A. (Texas), West Indies, Greater Antilles, Lesser Antilles, Mexico, south to Chile and Argentina. Type ♂ VMNH*.
- soror Schiner, 1868:350 (*Mesogramma*). Type-locality: "America". Types ♂ ♂ VMNH.
- variabilis Wulp, 1883:6, pl. 1, fig. 9 (abdomen) (*Mesograptia*). Type-locality: "Guadeloupe". Types ♂ MRHNB* & MA*.
- flavocuneus Hull, 1940b:433 (*Mesogramma*; as *basilaris* var.). Type-locality: Honduras, Salada, nr. Ceiba: Type ♀ Hull. Ref. — Hull, 1943:37, fig. 53 (abdomen). N. SYN.
- neotropicus Hull, 1943i:36, fig. 54 (abdomen) (also p. 14, as *neotropica*, in key) (*Mesogramma*). N. SYN.
- var. BIFIDUS (Hull), 1943i:26 (*Mesogramma*). Type-locality: Ecuador, Baños. Distr. — same. Type ♂ Hull? N. COMB.
- BIDENTATUS (Giglio-Tos), 1893:49, pl. II, fig. 12 (abdomen) (*Mesogramma*). Type-locality: Mexico, Acaguizotla, Chilpancingo, Tepetlapa, Medellín nr. Vera Cruz, Teapa, Orizaba and Tampico. Distr. — Mexico, Guatemala, Costa Rica, Panama. Types ♂ ♀ UTOR*.
- BIPUNCTATUS (Hull), 1943i:23 (*Mesogramma*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. N. COMB.
- BISTRIGA (Bigot), 1884b:110 (*Mesograptia?*). Type-locality: "Mexico". Distr. — Mexico, Guatemala, El Salvador, Nicaragua, Panama. Type ♀ OXF*. Ref. — Hull, 1943i:39, fig. 71 (abdomen).
- bistrigata Aldrich, 1905:370, Fluke, 1956:219; misspellings.



- BOSCH (Macquart), 1842:160 (100), pl. 17, fig. 2 (*Syrphus*). Type-locality: "Carolina". Distr. — Southeastern U.S.A.; Mexico, Greater and Lesser Antilles. Type ♀ MNHN*. Ref. — Hull, 1943i:38, fig. 65 (abdomen).
- BREVIFACIES (Hull), 1943i:20 (*Mesogramma*). Type-locality: Ecuador, Baños, Runtum Trail. Distr. — Ecuador, Colombia (Popayán). Type ♂ AMNH*. N. COMB.
- brevifacia* Hull, 1943i:14 (*Mesogramma*). Incorrect original spelling.
- CALCEOLATUS (Macquart), 1842:151 (91), pl. 16, fig. 1 (head) (*Syrphus*). Type-locality: "Chile". Distr. — Chile (Coquimbo — Malleco), Argentina (Neuquén). Types ♂ ♀ MNHN*. Ref. — Shannon & Aubertin, 1933:138, fig. 26a (abdomen). N. COMB.
- CAMILLA (Hull), 1951a:20 (*Mesogramma*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.
- CENTAUREUS (Hull), 1951a:18 (*Mesogramma*). Type-locality: Colombia, Cali Dist., W. Cordillera. Distr. — same. Type ♂ AMNH*. N. COMB.
- CILIATUS (Giglio-Tos), 1892d:3 (*Mesogramma*). Type-locality: Mexico, Tuxpango. Distr. — Mexico, Peru. Types ♂ ♀ UTOR*. Ref. — Giglio-Tos, 1893:60, pl. II, fig. 16 (abdomen), 16a (head), 16b (leg).
- CIRCUMDATUS (Bigot), 1884b:107 (*Mesograptus*?). Type-locality: "Mexico". Distr. — same. Types ♂ ♀ OXF*. Ref. — Hull, 1943i:41, fig. 74 (abdomen).
- CLARACUNEUS (Hull), 1942a:106 (*Mesogramma*). Type-locality: Ecuador, Río Margajitas, Río Pastaza. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1943i:37, fig. 49 (abdomen). N. COMB.
- CLARUS (Curran), 1930b:11 (*Mesogramma*). Type-locality: Panama, Canal Zone, New Culebra, France Field, Barro Colorado Island. Distr. — Panama (Canal Zone), Venezuela (San Esteban). Type ♂ AMNH*. Ref. — Hull, 1943i:39, fig. 62 (abdomen). N. COMB.
- COMMA (Giglio-Tos), 1892d:4 (*Mesogramma*). Type-locality: "Mexico". Distr. — same. Types ♂ UTOR*.
- CONFUSUS (Schiner), 1868:349 (*Mesogramma*). Type-locality: "South America" — Venezuela; Brazil, Rio de Janeiro. Distr. — Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Trinidad, Tobago, Ecuador, Venezuela Brazil, Argentina. Types ♂ ♀ VMNH*. Ref. — Hull, 1943i:31, fig. 20 (abdomen).
- maculipes* Bigot, 1884b:113 (*Mesograptus*?). Type-locality: "Brazil". Type ♂ OXF*.
- COSTALIS (Wiedemann), 1830:140 (*Syrphus*). Type-locality: "Surinam". Distr. — Surinam. Type ♂ SMF*. N. COMB.
- CROCKERI (Curran), 1934c:154 (*Mesogramma*). Type-locality: Galápagos Islands, Charles I. Distr. — Galápagos Islands. Type ♂ CAS*. Ref. — Hull, 1943i:33, fig. 36 (abdomen). N. COMB.
- cocheri* Fluke, 1956:220, misspelled.
- CROESUS (Hull), 1940a:248 (*Mesogramma*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ Hull. Ref. — Hull, 1943i:31, fig. 14 (abdomen). N. COMB.
- CYRILLUS (Hull), 1951a:9 (*Mesogramma*). Type-locality: Ecuador, Macas, Río Upano. Distr. — same. Type ♂ AMNH*. N. COMB.
- DIFFICILIS (Curran), 1930b:6, fig. 2 (male genitalia) (*Mesogramma*). Type-locality: Puerto Rico, Coamo Springs. Distr. — Puerto Rico, Guya-

- na. Type ♂ AMNH*. Ref. — Hull, 1943i:28, fig. 11 (abdomen). N. COMB.
- DIVERSUS (Giglio-Tos), 1892d:3 (*Mesogramma*). Type-locality: "Mexico". Distr. — same. Types ♀ UTOR*. Ref. — Giglio-Tos, 1893:49, pl. II, fig. 13 (abdomen).
- DUPLICATUS (Wiedemann), 1830:142 (*Syrphus*). Type-locality: Uruguay, Montevideo. Distr. — Greater Antilles, Lesser Antilles, Mexico, south to Chile and Argentina. Types ♂ ♀ VMNH*. Ref. — Hull, 1943i:33, fig. 33 (abdomen).
- ochrogaster* Thomson, 1869:494 (*Syrphus*). Type-locality: Argentina, Buenos Aires, Type ♂ NRS*.
- ECTYPUS (Say), 1829:165 (*Syrphus*). Type-locality: "Mexico". Distr. — same. Types ? lost.
- ECUADOREUS (Hull), 1943i:19 (*Mesogramma*). Type-locality: Ecuador, Pichincha. Distr. — Ecuador. Type ♂ AMNH*. N. COMB.
- ELISA (Hull), 1951a:5 (*Mesogramma*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ AMNH*. N. COMB.
- ELONGATUS (Hull), 1941f:46 (*Mesogramma*). Type-locality: Colombia, Muzo, Dept. Boyaca. Distr. — Mexico, Colombia, Ecuador. Types ♂ Hull, MCZ*. Ref. — Hull, 1943i:35, fig. 42 (abdomen). N. COMB.
- interruptus* Enderlein, 1938:227 (*Mitrosphen*; preocc. Philippi, 1865). Type-locality: Colombia, Cordillera; Mexico, Jacuapam. Types ♂ ♀ ZMB. N. SYN.
- EURYDICE (Hull), 1951a:17 (*Mesogramma*). Type-locality: Ecuador, San Francisco, Rio Pastaza. Distr. — same. Type ♂ AMNH*. N. COMB.
- EXTRAPOLATUS (Hull), 1943i:22, fig. 24 (abdomen) (*Mesogramma*). Type-locality: Cuba, Soledad. Distr. — same. Type ♂ Hull*. N. COMB.
- FLAVIPLURUS (Hall), 1927:239, fig. (abdomen) (*Mesogramma*). Type-locality: Guatemala, Puerto Barrios. Distr. — Guatemala; Brazil (Belém); Trinidad. Type ♀ OhSU. N. COMB.
- flavipleura* Hull, 1943i:15, 28, misspelled.
- FLAVUS (Hull), 1941i:432 (*Mesogramma*). Type-locality: Colombia, Restrepo. Distr. — Colombia, Ecuador, Peru, Bolivia. Type ♀ USNM. Ref. — Hull, 1943i:35, fig. 44 (abdomen). N. COMB.
- FLORALIS (Fabricius), 1798:563 (*Scaeva*). Type-locality: "Cajenne". Distr. — U.S.A., Florida; Greater Antilles; Lesser Antilles; Mexico, south to Chile and Argentina. Type ? Kiel (lost-? Zimsen, 1964:481). Ref. — Hull, 1943i:35, figs. 37-40 (abdomen). N. COMB.
- flammeus* Hull, 1941h:312 (*Mesogramma*). Type-locality: Brazil, São Paulo, Severinia. Type ♂ Hull. Ref. — Hull, 1943i:6, 34 (as var.).
- FUNESTUS (Doesburg), 1966:65, fig. 56 (habitus) (*Mesograptia*). Type-locality: Surinam, Zanderij. Distr. — Surinam, Brazil (Pará). Type ♀ Doesburg. N. COMB.
- GEMINI (Hull), 1941h:312 (*Mesogramma*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♀ Hull, MZUSP. Ref. — Hull, 1943i:33, fig. 25 (abdomen). N. COMB.
- GUTTIFER (Hull), 1943k:39 (*Mesogramma*). Type-locality: Guatemala, Guatemala City. Distr. — Guatemala, Guyana. Type ♀ USNM*. Ref. — Hull, 1943i:45, fig. 61 (abdomen). N. COMB.
- HARLEQUINUS (Hull), 1951b:69 (*Mesogramma*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♀ MZUSP. N. COMB.
- HERALDICUS (Bigot), 1884b:109 (*Mesograptia?*). Type-locality: "Mexico".



- Distr. — same. Types ♀ OXF*. Ref. — Hull, 1943i:47, fig. 73 (abdomen).
- HIEROGLYPHICUS** (Schiner), 1868:348 (*Mesogramma*). Type-locality: "South America". Distr. — Colombia (Magdalena, Valle del Cauca, Cauca), Ecuador. Type ♂ VMNH*. Ref. — Hull, 1943i:31, fig. 19 (abdomen).
- HULLI** Sedman, (nom. nov. for *ornatus* Hull). Distr. — Paraguay. NOM. NOV.
- ornatus* Hull, 1943f:36 (*Mesogramma*, preocc. Sack 1941). Type-locality: Paraguay, Villarica. Type ♂ AM(NH).
- IDALIUS** (Hull), 1951a:11 (*Mesogramma*). Type-locality: Ecuador, Oriente, Puyo. Distr. — same. Type ♂ AMNH*. N. COMB.
- subsp. **LEDE** Hull, 1951a:12 (*Mesogramma*). Type-locality: Ecuador, Oriente, Puyo. Type ♂ AMNH*. N. COMB.
- IMPERIALIS** (Curran), 1926c:103 (*Mesogramma*). Type-locality: Jamaica, Blue Castle. Distr. — same. Type ♀ BM(NH). Ref. — Hull, 1943i:35, fig. 45 (abdomen). N. COMB.
- INCAICUS** Sack, 1941:101 [1951:97, fig. 3 (abdomen)]. Type-locality: Peru, Querobamba, Lago Titicaca; Bolivia. Distr. — same. Types ♂ ♀ MD?
- INSIGNIS** (Schiner), 1868:347, fig. 7 (habitus), 7 a-b (head) (*Mesogramma*). Type-locality: "South America". Distr. — same. Types ♂ ♀ VMNH*.
- INTERMEDIUS** (Hull), 1949a:77 (*Mesogramma*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♀ Hull. N. COMB.
- JAGUARINUS** (Bigot), 1884b:112 (*Mesograptus*?). Type-locality: "Brazil". Distr. — same. Type ♂ OXF*.
- LACINIOSUS** (Loew), 1866a:159 (1872b:33) (*Mesograptus*). Type-locality: "Cuba". Distr. — Greater Antilles, Lesser Antilles, Mexico south to Brazil and Argentina. Type ♀ MCZ*. Ref. — Hull, 1943i:35, fig. 47 (abdomen).
- LACRYMOSUS** (Bigot), 1884b:107 (*Mesograptus*?). Type-locality: "Brazil; Mexico". Distr. — same. Types ♂ ♀ OXF*. Ref. — Hull, 1943i:31, fig. 23 (abdomen).
- lacrimosus* Kertész, 1910:147, emendation.
- lachrymosus*, many authors, emendation.
- LAENUS** (Walker), 1852:241 (*Syrphus*). Type-locality: "Brazil". Distr. — same. Type ♂ BMNH. Ref. — Hull, 1943i:41, fig. 79 (abdomen). N. COMB.
- laenas* Hull, 1943i:16, 40, misspelled.
- LANEI** (Hull), 1942c:74 (*Mesogramma*). Type-locality: Brazil, Rio de Janeiro, Tinguá. Distr. — same. Type ♀ Hull. N. COMB.
- LIMAE** (Brèthes), 1920:30 (1937:VII), (*Mesograptus*). Type-locality: Peru, Lima. Distr. — same. Type ? MACN. N. COMB.
- LIMBUS** (Enderlein), 1938:229 (*Antips*). Type-locality: Uruguay, Montevideo. Distr. — same. Type ♀ ZMB. N. COMB.
- LINEARIS** (Wulp), 1883:5 (*Mesograptus*). Type-locality: "Mexico". Distr. — same. Type ??.
- LUNUS** (Hull), 1943i:21, fig. 80 (abdomen), (*Mesogramma*). Type-locality: Puerto Rico, Mayaguez. Distr. — Puerto Rico, Guatemala. Type ♂ USNM*. N. COMB.
- LUTZI** (Curran), 1930b:7 (*Mesogramma*). Type-locality: Panama, Canal



- Zone, Grijoles, Ft. Davis. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1943i:37, fig. 56 (abdomen). N. COMB.
- var. *FASCIATUS* (Hull), 1948b:8 (*Mesogramma*). Type-locality: Venezuela, San Esteban. Distr. — same. Type ♀ USNM*. N. COMB.
- LYRATUS (Hull), 1940b:432 (*Mesogramma*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ Hull. Ref. — Hull, 1943i:33, fig. 26 (abdomen). N. COMB.
- MACQUARTI (Goot), 1964:214 (*Mesograptia*, nom. nov. for *amoenus* Macquart). Distr. — Venezuela, Peru, Paraguay, Bolivia. N. COMB.
- amoenus* Macquart, 1846:266 (138), pl. 13, fig. 1 (abdomen) (*Syrphus*; preocc. Loew, 1840). Type-locality: "Venezuela". Type ♀ OXF*.
- MACULATUS (Bigot), 1884b:111 (*Mesograptia*?). Type-locality: "Cuba, Mexico, Brazil". Distr. — Greater Antilles; Mexico south to Brazil and Argentina. Types ♀ OXF*. Ref. — Hull, 1943i:31, fig. 16 (abdomen).
- MARGINATUS (Say), 1823:92 (*Scaeva*). Type-locality: "U.S.A." Distr. — Canada, U.S.A.; Grand Bahama Island, Mexico south to Peru. Type?? Ref. — Hull, 1943i:33, fig. 28 (abdomen).
- circumcinctus* Enderlein, 1938:232 (*Mesogramma*). Type-locality: Peru, Lima. Type ♂ ZMB. N. SYN.
- MELANOASTER (Thomson), 1869:495 (*Syrphus*). Type-locality: Brazil, Rio de Janeiro. Distr. — same. Type ♀ NRS*. N. COMB.
- MINUTUS (Wiedemann), 1830:146 (*Syrphus*). Type-locality: "Brazil". Distr. — Cuba, Brazil. Type ♀ SMF*.
- MITIS (Curran), 1930b:13 (*Mesogramma*). Type-locality: Jamaica, Montego Bay. Distr. — same. Type ♀ AMNH. Ref. — Hull, 1943i:47, fig. 75 (abdomen). N. COMB.
- MULIO (Hull), 1941h:311 (*Mesogramma*). Type-locality: Brazil, São Paulo, Juquiá. Distr. — Colombia, Ecuador, Peru, Brazil, Argentina. Type ♂ Hull. Ref. — Hull, 1943i:29, fig. 2 (abdomen). N. COMB.
- MULTIPUNCTATUS (Wulp), 1883:6, pl. I, fig. 7 (abdomen) (*Mesograptia*). Type-locality: "Guadeloupe". Distr. — Guadeloupe, St. Vincent, Grenada. Type ♂ ? Ref. — Hull, 1943i:38, fig. 66 (abdomen).
- ferroxida* Hull, 1942f:21 (*Mesogramma*). Type-locality: St. Vincent, British West Indies. Type ♂ MCZ*.
- MUSICUS (Fabricius), 1805:253 (*Scaeva*). Type-locality: "South America". Distr. — Cuba, Jamaica, Puerto Rico, Virgin Islands, Trinidad; Mexico south to Brazil and Argentina. Types ♀ MC*. Ref. — Hull, 1943i:31, fig. 21 (abdomen).
- MUTUUS (Say), 1829:164 (*Syrphus*). Type-locality: "Mexico". Distr. — Mexico (Durango, Michoacán, Mexico City, Morelos, Vera Cruz, Chiapas), Guatemala. Type ?? Ref. — Hull, 1943i:43, fig. 60 (abdomen).
- NASICUS (Hull), 1941i:432 (*Mesogramma*). Type-locality: Mexico, Oaxaca, Tuxtepec. Distr. — same. Type ♂ USNM*. Ref. — Hull, 1943i:29, fig. 6 (abdomen). N. COMB.
- NASUTUS Sack, 1941:102 (1951:98), fig. 4 (head), 5 (abdomen). Type-locality: Peru, Paso de Lares. Distr. — Ecuador, Peru, Bolivia. Types ♀ MD? Ref. — Hull, 1943i:40, fig. 81 (abdomen).
- sylphus* Hull, 1943f:35 (*Mesogramma*). Type-locality: Ecuador, Baños. Type ♂ AMNH*. N. SYN.
- NIGRIPUNCTUS (Enderlein), 1938:231 (*Mesogramma*). Type-locality: Colombia, Cordillera. Distr. — same. Type ♂ ZMB. N. COMB.



- NITIDIVENTRIS (Curran), 1930b:9 (*Mesogramma*). Type-locality: Brazil, [?Espírito Santo], Vitória, Distr. — Colombia, Venezuela, Ecuador, Brazil. Type ♂ AMNH*. N. COMB.
- NITIDUS (Schiner), 1868:349 (*Mesogramma*). Type-locality: "South America". Distr. — Panama. Types ♂ VMNH*.
- NORMA (Curran), 1930b:10 (*Mesogramma*). Type-locality, Panama, Canal Zone, Corozal, Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1943i:29, fig. 7 (abdomen). N. COMB.
- NYMPHALIUS (Hull), 1942a:106 (*Mesogramma*). Type-locality: Ecuador, Oriente, Río Margajitas, 1250 m. Distr. — Ecuador, Surinam. Type ♂ AMNH*. Ref. — Hull, 1943i:37, fig. 51 (abdomen). N. COMB.
- OCHRACEUS (Hull), 1942f:19 (*Mesogramma*). Type-locality: Colombia, Bogotá, Distr. — same. Type ♀ MCZ*. N. COMB.
- OCTOGUTTATUS (Jaennicke), 1867:398 (*Syrphus*). Type-locality: "Chile". Distr. — Peru, Chile (Coquimbo-Chiloé), Argentina. Type ♂ SMF*. Ref. — Shannon & Aubertin, 1933:138, fig. 26b (abdomen); Hull, 1943i:37, fig. 57 (abdomen). N. COMB.
- interruptus* Philippi, 1865:747 (*Syrphus*; preocc. Gmelin, 1792). Type-locality: Chile, Valdivia, Illapel. Types ♂ ♀ MNHS.
- philippii* Shannon, 1927a:24 (*Mesogramma*; nom. nov. for *interruptus* Philippi).
- OPHIOLINEA (Hull), 1943j:68, fig. 59 (abdomen) (*Baccha*). Type-locality: Colombia, Villavicencio, Distr. — same. Type ♀ Hull*. Ref. — Hull, 1949e: 202, fig. 59 (abdomen). N. COMB.
- ORNATUS Sack, 1941:103 (1951:99), fig. 6 (abdomen). Type-locality: Peru; Bolivia; Brazil, Espírito Santo. Distr. — same. Types ♂ ♀ MD ? and UNMB.
- ORNITHOGLYPHUS (Hull), 1942f:17 (*Mesogramma*). Type-locality: Dominican Republic, Mount Diego de Ocampo, 3,000-4,000 ft. Distr. — Cuba, Dominican Republic. Type ♂ MCZ*. Ref. — Hull, 1943i:39, fig. 69 (abdomen). N. COMB.
- OVATUS (Hull), 1942f:19 (*Mesogramma*). Type-locality: Panama, Yape, Tuirar, Distr. — same. Type ♂ MCZ*. Ref. — Hull 1943i:29, fig. 5 (abdomen). N. COMB.
- PANAMENSIS (Curran), 1930b:12 (*Mesogramma*). Type-locality: Panama, Panama City, Distr. — same. Type ♂ AMNH*. N. COMB.
- PARAGRAMMUS (Schiner), 1868:349 (*Mesogramma*). Type-locality: "South America". Distr. — same. Types ♂ ♀ VMNH*.
- PICTUS (Macquart), 1842:159 (99) pl. 16 fig. 11 (habitus) (*Syrphus*). Type-locality: "Guyane". Distr. — Greater Antilles, Lesser Antilles, Mexico south to Argentina. Type ♀ MNHN*. Ref. — Hull, 1943i:30, fig. 13 (abdomen).
- poecilogastrus* Loew, 1865:158 (1872b:33) (*Mesogramma*). Type-locality: "Cuba". Type ♀ MCZ*.
- cuprinus* Bigot, 1884b:114 (*Mesograptus?*). Type-locality: "Cuba". Type ♂ OXF*. N. SYN.
- var. MELLEOGUTTATUS (Hull), 1941f:45 (*Mesogramma*). Type-locality: Panama, Canal Zone, Barro Colorado Island, Distr. — same. Type ♂ Hull. Ref. — Hull, 1943i:31, fig. 15 (abdomen). N. COMB.
- POLITUS (Say), 1823:88 (*Scaeva*). Type-locality: "United States". Distr. — Canada, U.S.A.; Mexico south to Peru and Brazil. Type ? (lost). Ref. — Hull, 1943i:29, fig. 3 (abdomen).



- anchoratus* Macquart, 1842:97 (132), pl. 16:8 (abdomen) (*Syrphus*).
Type-locality: "Brazil". Types ♀ ♂ MNHN*. N. SYN.
- POLYGRAPHICUS (Hull), 1940a:249 (*Mesogramma*). Type-locality: Brazil, São Paulo, Batéia. Distr. — Peru and Brazil. Type ♀ Hull, 1943i:31, fig. 22 (abdomen). N. COMB.
- PORTICOLA (Thomson), 1869:495 (*Syrphus*). Type-locality: Peru, Callao; Ecuador, Puna. Distr. — same. Type ♂ NRS*. N. COMB.
- PORTIUS (Walker), 1852:239 (*Syrphus*). Type-locality: "Brazil". Distr. — Brazil (São Paulo). Type ♂ BMNH*. Ref. — Hull, 1943i:31, fig. 17 (abdomen). N. COMB.
- PRODUCTUS (Curran), 1930b:5 (*Mesogramma*). Type-locality: Ecuador. Distr. — Ecuador south to Argentina. Type ♂ AMNH*. Ref. — Hull, 1943i:32, fig. 30 (abdomen). N. COMB.
- PUELLUS (Hull), 1942f:22 (*Mesogramma*). Type-locality: Cuba, Santa Clara Province, Soledad. Distr. — same. Type ♂ MCZ*. Ref. — Hull, 1943i:39, fig. 64 (abdomen). N. COMB.
- PULCHELLUS (Macquart), 1846:266 (138), pl. 11, fig. 12 (abdomen) (*Syrphus*). Type-locality: Guadeloupe, San Domingo. Distr. — Guadeloupe, Cuba. Types ♀ OXF*. Ref. — Hull, 1943i:34, fig. 46 (abdomen).
- PUNCTATUS Sack, 1921:128, fig. 1a (abdomen). Type-locality: Paraguay, St. Trinidad. Distr. — same. Types ♂ ♀ MD?
- PURUS (Curran), 1930b:10 (*Mesogramma*). Type-locality: Panama, Corozal. Distr. — same. Type ♂ AMNH. Ref. — Hull, 1943i:39, fig. 63 (abdomen). N. COMB.
- QUADRILINEATUS (Enderlein), 1938:233 (*Hybobathus*). Type-locality: Colombia, "Cordillera, tierra templada". Distr. — same. Types ♀ ZMB. N. COMB.
- QUINQUECINCTUS (Bigot), 1888a:254 (*Mesograptia*). Type-locality: Mexico. Distr. — same. Type ♀ OXF*.
- QUINQUEMACULATUS (Bigot), 1888a:254 (*Mesograptia*). Type-locality: "Mexico". Distr. — same. Types ♂ ♀ OXF*.
- RHEA (Hull), 1949i:228 (*Mesogramma*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Types ♂ AMNH*, MZUSP. N. COMB.
- RHODOPE (Hull), 1951a:13 (*Mesogramma*). Type-locality: Jamaica, Dunrobin District, Mandeville, Manchester. Distr. — same. Type ♀ AMNH*. N. COMB.
- ROMBICUS (Giglio-Tos), 1892d:3 (*Mesogramma*). Type-locality: Mexico, Orizaba. Distr. — same. Types ♂ ♀ UTOR*. Ref. — Giglio-Tos, 1893:pl. 2, fig. 15 (abdomen); Hull, 1943i:40, fig. 78 (abdomen).
rhombicus, various authors, emend.
- RUFICAUDATUS (Bigot), 1884a:541 (*Paragus*). Type-locality: "Brazil". Distr. — same. Type ♂ BM(NH)*. N. COMB.
- RUFOCINCTUS (Curran), 1927b:7 (*Mesogramma*). Type-locality: Puerto Rico, Mayaguez. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1943i:41, fig. 83 (abdomen). N. COMB.
- SAPHIRIDICEPS (Bigot), 1884b:105 (*Mesograptia?*). Type-locality: "Mexico". Distr. — Mexico, Colombia, Ecuador, Peru. Types ♀ OXF*.
- SELVA (Hull), 1943i:13 (*Mesogramma*). Type-locality: ? Distr. — ? Type ?? N. COMB.

- SERPENTINUS (Hull), 1950c:228 (*Calostigma*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ Hull*. N. COMB.
- SINUATINERVIS (Macquart), 1850:455 (151), tab. 14, fig. 10 (wing) (*Syrphus*). Type-locality: Brazil, "Minas Gerais". Distr. — same. Type ♀ MNHN. N. COMB.
- SLOSSONAE (Curran), 1930b:8 (*Mesogramma*). Type-locality: U.S.A., Florida, Biscayne Bay. Distr. — U.S.A. (Florida), Ecuador. Type ♂ AMNH*. N. COMB.
- STEATOGASTER (Hull), 1941c:62 (*Mesogramma*). Type-locality: Brazil, Amazonas, Rio Branco. Distr. — Ecuador, Brazil. Type ♀ Hull. Ref. — Hull, 1943i:29, fig. 1 (abdomen). N. COMB.
- STEATORNIS (Hull), 1943i:20 (*Mesogramma*). Type-locality: Ecuador, Santiago-Zamora, Sucua, Río Blanco and Río Upano, 950 m. Distr. — same. Type ♂ AMNH*. N. COMB.
- SUBANNULATUS (Loew), 1865:157 (1872b:31) (*Mesograpt*). Type-locality: "Cuba". Distr. — Cuba, Dominican Republic, Jamaica, Puerto Rico, Costa Rica south to Brazil. Types ♀ ♂ MCZ*. Ref. — Hull, 1943i:33, figs. 34, 35 (abdomen).
- SYLVATICUS (Hull), 1943f:34 (*Mesogramma*). Type-locality: Ecuador, Baños. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1943i:41, fig. 81 (abdomen). N. COMB.
- TAENIUS (Curran), 1930b:7, fig. 3 (ventral view of male genitalia) (*Mesogramma*). Type-locality: Panama, Canal Zone, Corozal. Distr. — Panama, Surinam, Argentina. Type ♂ AMNH*. Ref. — Hull, 1943i:29, fig. 4 (abdomen). N. COMB.
- TIBICEN (Wiedemann), 1830:127 (*Syrphus*). Type-locality: "Brazil". Distr. — Panama (Canal Zone) south to Brazil and Argentina. Types ♀ ZMB-VM(NH)*. Ref. — Hull, 1943i:35, fig. 43 (abdomen).
- TRIANGULATUS (Hull), 1942a:104 (*Mesogramma*). Type-locality: Paraguay, Villarica. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1943i:37, fig. 55 (abdomen). N. COMB.
- TRIDENTATUS (Rondani), 1868:24 (*Syrphus*). Type-locality: "Patagonia". Distr. — Mexico, "Patagonia". Type ♂ ? Ref. — Giglio-Tos, 1893: pl. 2, fig. 17 (abdomen). N. COMB.
- pallipes* Bigot, 1884b:106 (*Mesograpt*?). Type-locality: "Mexico". Type ♀ OXF*.
- TRILINEATUS (Enderlein), 1938:232 (*Mesogramma*). Type-locality: "St. Jean". Distr. — same. Type ♀ ZMB. N. COMB.
- TRILOBATUS (Bigot), 1884b:109 (*Mesograpt*?). Type-locality: "Mexico". Distr. — same. Types ♂ OXF*.
- TRIRADIATUS (Hull), 1942d:48 (*Mesogramma*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ Hull. Ref. — Hull, 1943i:33, fig. 27 (abdomen). N. COMB.
- TUBULARIUS (Hull), 1942a:103 (*Mesogramma*). Type-locality: Ecuador, Baños. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1943i:35, fig. 48 (abdomen). N. COMB.
- ULTIMUS (Hull), 1951a:7 (*Mesogramma*). Type-locality: Ecuador, Pichincha, Uyumbicho. Distr. — same. Type ♀ AMNH*. N. COMB.
- UNA (Hull), 1943i:23, fig. 84 (abdomen) (*Mesogramma*). Type-locality: "Haiti". Distr. — same. Type ♀ MCZ*. N. COMB.
- UNDECIMPUNCTATUS (Enderlein), 1938:228 (*Mitrosphen*). Type-locality: Uruguay, Montevideo; Paraguay, San Bernardino. Distr. — same. Types ♂ ♀ ZMB. N. COMB.



- URANIUS (Hull), 1951a:1 (*Mesogramma*). Type-locality: Peru, middle Río Ucayali. Distr. — same. Type ♂ AMNH*. N. COMB.
- VALDESI (Fluke), 1950b:488, fig. 12 (abdomen), fig. 13 (metathoracic leg) (*Mesogramma*). Type-locality: Cuba, Pico Joaquín to Turquino. Distr. — same. Type ♂ AMNH*. N. COMB.
- VANESSA (Hull), 1951a:15 (*Mesogramma*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. N. COMB.
- VATIUS (Walker), 1852:240 (*Syrphus*). Type-locality: Brazil. Distr. — same. Type ♂ BM(NH)*. Ref. — Hull, 1943i:29, fig. 8 (abdomen). N. COMB.
- VERTICALIS (Curran), 1927b:6 (*Mesogramma*). Type-locality: Puerto Rico, Gayay. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1943i:41, fig. 76 (abdomen). N. COMB.
- verticallis*, Hull 1943i, misspelled.
- VEVE (Hull), 1942f:23 (*Mesogramma*). Type-locality: Haiti, La Visite and Vic., La Salle Range 5,000-6,000 ft. Distr. — same. Type ♂ MCZ*. N. COMB.
- VICINUS (Macquart), 1846:264 (136) (*Syrphus*). Type-locality: "Brazil". Distr. — same. Type ♀ OXF. N. COMB.
- VIERECKI (Curran), 1930b:13 (*Mesogramma*). Type-locality: Colombia, Sero Quenado. Distr. — same. Type ♀ AMNH*. Ref. — Hull, 1943i:37, fig. 58 (abdomen). N. COMB.
- VIOLACEUS (Curran), 1926c:103 (*Mesogramma*). Type-locality: Jamaica, Chinchona. Distr. — Jamaica, Puerto Rico, Dominican Republic. Type ♂ BM(NH). Ref. — Curran, 1928:39, fig. 5 (head): 40, fig. 6 (abdomen). N. COMB.
- VIRGULATUS (Macquart), 1850:456 (152), pl. 14, fig. 11 (abdomen) (*Syrphus*). Type-locality: "Patrie inconnue, probablement le Brésil". Distr. — same. Type ♂ OXF*. N. COMB.
- VITRECENS (Hull), 1930:142 (*Mesogramma*). Type-locality: Colombia, Aracataca, Magdalena. Distr. — same. Type ♂ ANSP. N. COMB.
- VITREUS (Hull), 1941f:45 (*Mesogramma*). Type-locality: Brazil, São Paulo, Juquiá. Distr. — same. Type ♂ Hull. N. COMB.
- VULTURUS (Hull), 1942f:20 (*Mesogramma*). Type-locality: Honduras, Lan-cetilla, near Tela. Distr. — same. Type ♀ MCZ*. Ref. — Hull, 1943i:39, fig. 70 (abdomen). N. COMB.
- WATSONI (Curran), 1930b:5, fig. 1 (ventral view of male genitalia) (*Mesogramma*). Type-locality: Haiti, Aux Cayes. Distr. — Haiti, Cuba, Jamaica, Venezuela, Colombia, Ecuador, Peru, Brazil. Type ♂ AMNH*. Ref. — Hull, 1943i:33, fig. 32 (abdomen). N. COMB.
- WILLISTONII (Lynch Arribáizaga), 1892a:54 (1892c:64) (*Mesogramma*). Type-locality: Argentina, Misiones. Distr. — same. Type ? MACN.

Subfamily MICRODONTINAE

Ref. — Thompson, 1969 (key to general).

Genus PARAGON Thompson

PARAGON Thompson, 1969:74. Type-species, *paragoides* Thompson (orig. des.). Ref. — Thompson, 1969 (key).



- MINUTULUS (Doesburg), 1966:89, figs. 63 & 64 (habitus) (*Ceratophya*).
Type-locality: Surinam, Zanderij-savannah. Distr. — same. Type ♂ Doesburg.
- PARAGOIDES Thompson, 1969:81, figs. 1, 1a (head); 7, 7a (male genitalia); 9 (abdomen); 12 (wing). Type-locality: Mexico, Sinaloa, Mazatlán, at sea level. Distr. — same. Type ♂ CNC*.

Genus PARAMICRODON Meijere

- PARAMICRODON Meijere, 1913:360. Type-species, *lorentzi* Meijere (mon.).
Spheginobaccha, subg. *Nannomyrmecomyia* Hull, 1945b:75. Type-species, *Paramicrodon delicatulus* Hull (orig. des.). N. SYN.
- DELICATULUS Hull, 1937b:24. Type-locality: Cuba, Soledad (Cienfuegos). Distr. — same. Type ♂ MCZ*. Ref. — Thompson, 1969:77, fig. 2 (head).
- FLUKEI (Curran), 1936b:2 (*Microdon*). Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — Peru, Brazil (Rio de Janeiro, Santa Catarina). Type ♂ AMNH*. N. COMB.

Genus ARGENTINOMYIA Lynch Arribálzaga

- ARGENTINOMYIA Lynch Arribálzaga, 1891:199 (1892c:30). Type-species, *testaceipes* Lynch Arribálzaga (mon.).
- Aristosyrphus* Curran, 1941:252. Type-species, *primus* Curran (orig. des.). N. SYN.
- Ceratophya*, subg. *Protoceratophya* Hull, 1949d:314. Type-species, *carpenteri* Hull (orig. des.). N. SYN.
- Paraceratophya*, Fluke, 1957:38, misspelling of *Protoceratophya*.

Subgenus ARGENTINOMYIA Lynch Arribálzaga

- BORACEIENSIS (Papavero), 1962:319 (*Ceratophya*). Type-locality: Brazil, São Paulo, Salesópolis, Estação Biológica de Boracéia. Distr. — same. Type ♀ MZUSP*. N. COMB.
- CARPENTERI (Hull), 1945b:76 (*Ceratophya*). Type-locality: Panama, Coclé Province, El Valle. Distr. — same. Type ♀ MCZ*. N. COMB.
- ELONGATA (Hull), 1943e:706 (*Microdon*). Type-locality: Brazil, Pará, Santarém. Distr. — same. Type ♂ BM(NH). N. COMB.
- GRANDIS Lynch Arribálzaga, 1892b:255 (1892c:156). Type-locality: Argentina, Misiones, Fracrao. Distr. — same. Type ? MACN.
- MACROPTERA (Curran), 1941:254 (*Ceratophya*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♀ AMNH*. N. COMB.
- PRIMA (Curran), 1941:252 (*Aristosyrphus*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ AMNH*. Ref. — Thompson, 1969:82, fig. 11 (wing). N. COMB.
- TESTACEIPES Lynch Arribálzaga, 1891:199 (1892c:41), fig. 4 (habitus). Type-locality: Argentina, Prov. Buenos Aires, Chacabuco. Distr. — same. Type ? MACN.

Subgenus EURYPTEROSYRPHUS Barretto & Lane

- EURYPTEROSYRPHUS Barretto & Lane, 1947:141 (as genus). Type-species, *melanopterus* Barretto & Lane (orig. des.).



MELANOPTERA (Barretto & Lane), 1947:142, fig. 1 (wing) (*Eurypterosyrphus*). Type-locality: Brazil, São Paulo, São Paulo, Via Anhanguera. Distr. — same. Type ♀ MZUSP*. N. COMB.

Genus MIXOGASTER Macquart

MIXOGASTER Macquart, 1842:74 (14). Type-species, *conopsoides* Macquart (orig. des.).

Myxogaster, Kertész, 1910:351, misspelling.

Ref. — Hull, 1954 (rev.), Carrera & Lane, 1958 (key).

ANTHERMUS (Walker), 1849:547 (*Ascia*). Type-locality: Brazil, Pará. Distr. — Brazil. Types ♀ BM(NH). Ref. — Hull, 1954:21 (notes).

CICATRIX Hull, 1954:9 figs. 14 (head), 26 (abdomen). Type-locality: Brazil, Mato Grosso, Corumbá. Distr. — same. Type ♂ CU*.

CONOPSOIDES Macquart, 1842:74 (14), tab. 3, fig. 1 (habitus), 1a (head). Type-locality: Brazil, Rio de Janeiro. Distr. — Colombia, Brazil. Type ♀ MNHN*. Ref. — Hull, 1954:19 (translation of original description).

conopseus, Williston, 1886:309, 310; misspelling.

conopoides, Kertész, 1910:351, emendation.

CUBENSIS Curran, 1932a:1. Type-locality: Cuba, Sierra Maestra. Distr. — Cuba. Type ♂ AMNH*. Ref. — Hull, 1954:14 (redescription), fig. 8 (antenna); 27 (abdomen); Thompson, 1969:76, fig. 4 (metasterna).

CURRANI Hull, 1954:5, figs. 9 (antenna), 16 (head), 31 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.

DIMIDIATA Giglio-Tos, 1892c:1. Type-locality: Mexico, Tuxpango. Distr. — same. Type ♀ UTOR. Ref. — Hull, 1954:19 (transl. of orig. description).

dimitiata, Fluke, 1957:37, misspelling.

FLUKEI Hull, 1954:15, figs. 2 & 17 (head), 22 (wing), 28 (abdomen). Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ AMNH.

LANEI Carrera & Lenko, 1958:473, figs. 4 (egg), 5-7 (larva), 8-9 (puparium), 10-11 (head), 12 (antenna), 13 (wing). Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil (São Paulo). Type ♂ MZUSP*.

LOPESI Carrera & Lenko, 1958:477, figs. 14-15 (head), 17 (wing). Type-locality: Brazil, Pará, Belém, Aurá. Distr. — same. Type ♂ IOC.

MEXICANA Macquart, 1846:251 (123), pl. 10, fig. 15 (head), 15a (wing). Type-locality: Mexico. Distr. — same. Type ♀ MRHNB. Ref. — Hull, 1954:20 (translation of orig. description).

ORPHEUS Hull, 1944c:36. Type-locality: Guyana, Bartica. Distr. — same. Type ♀ MCZ*. Ref. — Hull, 1954:21 (redescription), fig. 19 (wing).

PITHECOFASCIA Hull, 1944k:512. Type-locality: Colombia, Restrepo, 500 m. Distr. — same. Type ♂ Hull. Ref. — Hull, 1954:23 (redescription), figs. 3 & 15 (head), 32 (abdomen).

POLISTES Hull, 1954:4, figs. 5 & 12 (head), 8 (antenna), 21 (wing). Type-locality: Brazil, Guanabara, Rio de Janeiro. Distr. — same. Type ♀ AMNH*.

- RARIOR Shannon, 1925a:111. Type-locality: Panama, Taboga Island. Distr. — Panama. Type ♂ USNM*. Ref. — Hull, 1954:11 (redescription), figs. 20 (wing), 25 (abdomen).
 var. RARISSIMA Shannon, 1925a:111. Type-locality: Guatemala, Cacao Trece Aguas, Alta Vera Paz. Type ♂ USNM*.
 SARTOCRYPTA Hull, 1954:8, figs. 1 & 11 (head), 6 (antenna), 29 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil. Type ♀ AMNH*.
 STRICTOR Hull, 1941a:1. Type-locality: Bolivia, Santa Cruz, Piedra Blanca (as "Brazil", Piedra"). Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1954:17 (redescription), fig. 18 (head).
 THECLA Hull, 1954:6, figs. 13 (head), 23 (wing), 30 (abdomen). Type-locality: Brazil, Guanabara, Rio de Janeiro. Distr. — Ecuador, Peru, Brazil. Type ♀ AMNH*.

Genus MICRODON Meigen

- MICRODON Meigen, 1803:275. Type-species, *Musca mutabilis* Linnaeus (mon.).
Chymophila Macquart, 1834:485. Type-species, *splendens* Macquart (mon.) = *fulgens* Wiedemann.
Chimophila, Osten-Sacken, 1875:46, 1878:119, misspelling.
Omegasyrphus Giglio-Tos, 1891:4. Type-species, *Microdon coarctatus* Loew (sub. mon., Giglio-Tos, 1892b:3).
Microdon, subg. *Eumicrodon* Curran, 1925a:50. Type-species, *fulgens* Wiedemann (orig. des.).
Pseudomicrodon Hull, 1937b:24. Type-species, *Microdon beebei* Curran (orig. des.). N. SYN.
Chrysidimyia Hull, 1937c:116 (as *Chysidimyia*). Type-species, *chrysidimima* Hull (orig. des.). [Even though Hull spelled his generic name as *Chysidimyia* in the original description (3 times!) we consider this as a *lapsus calami*. Hull did refer to the "astonishing resemblance" of his group to chrysidid wasps and thereby indicated the intended derivation of his name. All subsequent spellings of this name (Hull, 1938:126, 1944e:241, 1949d:309) are as *Chrysidimyia*, which we here accept as a justified emendation].
Syrphipogon Hull, 1937c:120. Type-species, *fucattissimus* Hull (orig. des.). Ref. — Curran, 1941 (keys).

Subgenus CERATOPHYA Wiedemann

- CERATOPHYA Wiedemann, 1824:14 (as genus). Type-species, *notata* Wiedemann (Coquillett, 1910a:520).
Cerathophya, Wiedemann, 1830:79, misspelling.
 CARINIFACIES Curran, 1934b:376. Type-locality: Guyana, Kartabo. Distr. — same. Type ♀ AMNH*.
 LONGICORNIS (Wiedemann), 1824:14 (*Ceratophya*). Type-locality: "Brazil". Distr. — same. Type ♀ VMNH. N. COMB.
 NOTATUS (Wiedemann), 1824:14, fig. 9 (habitus, antenna, scutellum) (*Ceratophya*). Type-locality: "Brazil". Distr. — same. Type ♂ VMNH*.
 PANAMENSIS Curran, 1930f:6. Type-locality: Panama, Canal Zone, France Field. Distr. — same. Type ♂ AMNH*.



Subgenus RHOPALOSYRPHUS Giglio-Tos

- RHOPALOSYRPHUS Giglio-Tos, 1891:3 (as genus). Type-species, *Holmbergia guentherii* Lynch Arribálzaga (sub. mon., Giglio-Tos, 1892b:1).
- Holmbergia* Lynch Arribálzaga, 1891:195 (1892c:37). Type-species, *guentherii* Lynch Arribálzaga (mon.).
Ref. — Capelle, 1956 (key).
- CAROLAE (Capelle), 1956:174, figs. 3 (head), 4 (wing), 5 (scutellum) (*Rhopalosyrphus*). Type-locality: U.S.A., Arizona, Huachuca Mountains, Sunnyside Canyon. Distr. — U.S.A. (Arizona), Mexico.
Type ♀ UK*. N. COMB.
- GUENTHERII (Lynch Arribálzaga), 1891:197 (1892c:39), fig. 3 (habitus) (*Holmbergia*). Type-locality: Argentina, Buenos Aires. Distr. — Argentina, Surinam, Mexico. Type ? MACN. Ref. — Hull, 1949d:315, figs. 14f (habitus), 14g (hind leg), 14h (head), 14i (abdomen); Doesburg, 1966:88, fig. 61 [not 62] (habitus); Thompson, 1969:76, fig. 6 (metasterna). N. COMB.

Subgenus CERIOMICRODON Hull

- CERIOMICRODON Hull, 1937b:25 (as genus). Type-species, *petiolatus* Hull (orig. des.).
- Cerioimicrodon*, Hull, 1937b:25, incorrect original spelling.
- PETIOLATUS (Hull), 1937b:25 (*Cerioimicrodon*). Type-locality: Brazil, west border of Mato Grosso. Distr. — Peru, Brazil (Mato Grosso).
Type ♂ USNM*. Ref. — Hull, 1949d:313, fig. 13e (habitus).
N. COMB.

Subgenus RHOGA Walker

- RHOGA Walker, 1857:157. Type-locality, *lutescens* Walker (mon.).
- Papiliomyia* Hull, 1937b:27. Type-species, *sepulchrasilva* Hull (orig. des.).
- LUTESCENS (Walker), 1857:157 (*Rhoga*). Type-locality: Brazil, Pará. Distr. — same. Type ♀ BM(NH). N. COMB.
- MACULATUS Shannon, 1927a:21. Type-locality: Bolivia, Prov. Sara, Santa Cruz de la Sierra. Distr. — same. Type ♀ BM(NH).
- MELLEUS Curran, 1940:5. Type-locality: Guyana, Kaieteur, Tukheit Trail. Distr. — Costa Rica, Panama, Guyana. Type ♂ BM(NH).
- SEPULCHRASILVUS (Hull), 1937b:28 (*Papiliomyia*). Type-locality: Brazil, Rio Grande do Sul. Type ♂ VMNH*. Ref. — Hull, 1949d:315, fig. 14d (habitus). N. COMB.
- XANTHOPROSOPUS (Barretto & Lane), 1947:145 (*Rhoga*). Type-locality: Brazil, Minas Gerais, Arceburgo, Faz. Fortaleza. Distr. — same. Type ♂ MZUSP*. N. COMB.

Subgenus MASARYGUS Brèthes

- MASARYGUS Brèthes, 1908:441 (as genus). Type-species, *planifrons* Brèthes (orig. des.).
- Schizoceratomyia* Carrera, Lopes & Lane, 1947a:245. Type-species, *barrettoi* Carrera, Lopes & Lane (orig. des.).

- Johnsoniodon* Curran, 1947a:1. Type-species, *malleri* Curran (orig. des.). Ref. — Papavero, 1962 (key).
- BARRETOI (Carrera, Lopes & Lane), 1947a:245; 1947b:473, figs. 1 (habitus); 2-3 (head); 4-5, 13 (antenna); 6 (wing); 7-11 (male genitalia) (*Schizoceratomyia*). Type-locality: Brazil, Goiás, Corumbá, Fazenda Monjolinho. Distr. — Surinam, Brazil (Goiás, Rio de Janeiro. Type ♂ MZUSP*. N. COMB.
- CARRERAI (Papavero), 1962:324, fig. 4 (antenna) (*Masarygus*). Type-locality: Brazil, São Paulo, Salesópolis, Estação Biológica de Boracéia. Distr. — same. Type ♂ MZUSP*. N. COMB.
- FLAVIPES (Carrera, Lopes & Lane), 1947a:247; 1947b:476, figs. 14 (head), 15-16 (antenna), 17-19 (male genitalia) (*Schizoceratomyia*). Type-locality: Brazil, São Paulo, Alto da Serra, Parque Cajuru. Distr. — same. Type ♂ MZUSP*. Ref. — Doesburg, 1966:92, fig. 65 (habitus). N. COMB.
- MALLERI (Curran), 1947a:1, fig. 1 (habitus) (*Johnsoniodon*). Type-locality: Brazil, Santa Catarina, Corupá (Hansa Humboldt). Distr. — same. Type ♀ AMNH*. N. COMB.
- PLANIFRONS (Brèthes), 1908:442, figs. a-c (habitus), d+e (head), f+g (antenna) (*Masarygus*). Type-locality: Argentina, Buenos Aires, General Urquiza. Types ♂ ♀ MACN & MCSNM*.

Subgenus UBRISTES Walker

- UBRISTES Walker, 1852:217 (as genus). Type-species, *flavitibia* Walker (mon.).
- Hypselosyrphus* Hull, 1937b:21. Type-species, *trigonus* Hull (orig. des.).
- Ubristes*, subg. *Stipomorpha* Hull, 1945b:74. Type-species, *Microdon fraudator* Shannon (orig. des.).
- Carreramyia* Doesburg, 1966:93. Type-species, *Microdon megacephalus* Shannon (orig. des.). N. SYN.
- ANAX Thompson (nom. nov. for *analís* Curran). Distr. — Brazil (Santa Catarina). NOM. NOV.
- analís* Curran, 1940:3 (preocc. Macquart, 1842). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ AMNH*.
- ANGULATUS Hull, 1943e:715. Type-locality: Brazil, "Amazon, Ega" (= Tefé). Distr. — same. Type ♂ BM(NH).
- APICULUS Curran, 1930f:5. Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ AMNH*.
- CHRYSOPIGUS (Giglio-Tos), 1892c:1 (*Ubristes*). Type-locality: Mexico, Orizaba. Distr. — same. Type ♀ UTOR. N. COMB.
- CORBICULIPES (Papavero), 1962:320, figs. 2,3 (hind tibia + tarsus) (*Hypselosyrphus*). Type-locality: Brazil, Guanabara, Sumaré. Distr. — same. Type ♀ MZUSP*. N. COMB.
- FLAVITIBIA (Walker) 1852:217, pl. 5:2 (habitus), 2a (head), 2b (tarsus) (*Ubristes*). Type-locality: "Brasil". Distr. — Guyana, Brazil. Type ♂ BM(NH). Ref. — Hull, 1949d:313, figs. 13f (hind leg), 13h (abdomen).
- plaumanni* Curran, 1940:3. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♀ AMNH*. N. SYN.
- FRAUDATOR Shannon, 1927a:20. Type-locality: "Amazon". Distr. — same. Type ♂ BM(NH). Ref. — Hull, 1949d:313, fig. 13g (abdomen).
- GOETTEI Shannon, 1927a:19. Type-locality: "Amazon". Distr. — same. Type ♀ BM(NH).



- GUIANICUS Curran, 1925c:340. Type-locality: Guyana, Bartica. Distr. — Panama, Ecuador, Surinam, Guyana. Type ♀ MCZ*. Ref. — Thompson, 1969:76, fig. 3 (head).
- INARMATUS Curran, 1925d:5. Type-locality: Guyana, Bartica. Distr. — Guyana. Type ♂ MCZ*.
- LACTEIPENNIS Shannon, 1927a:18. Type-locality: "Amazon". Distr. — same. Type ♂ BM(NH).
- LANEI Curran, 1936b:5. Type-locality: Brazil, São Paulo, Juquiá. Distr. — Trinidad, Brazil (São Paulo). Type ♀ AMNH*.
- MACKIEI Curran, 1940:5. Type-locality: Guyana, Rockstone. Distr. — same. Type ♀ AMNH*.
- MEGACEPHALUS Shannon, 1925b:213. Type-locality: Panama, "Old Panama". Distr. — same. Type ♂ USNM*. Ref. — Hull, 1949d:313, figs. 13a (habitus), 13b (hind leg), 13c (head).
- MICROMIDAS Shannon, 1925a:112. Type-locality: Panama, Taboga Island. Distr. — same. Type ♀ USNM*.
- MIXTUS Curran, 1940:6. Type-locality: Guyana, Cuyuni River, Kamaria Landing. Distr. — same. Type ♀ BM(NH).
- PROCEDENS Curran, 1941:251. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
- PROCTERI Curran, 1941:251. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
- PUERILIS (Doesburg), 1966:86 (*Ubristes*). Type-locality: Surinam, Zanderij. Distr. — same. Type ♀ Doesburg. N. COMB.
- SCOLOPUS Shannon, 1927a:20. Type-locality: "Amazon". Distr. — same. Type ♂ BM(NH).
- SCUTELLARIS Shannon, 1927a:20. Type-locality: "Amazon". Distr. — same. Type ♀ BM(NH). Ref. — Hull, 1949d:313, figs. 13d (head), 13i (scutellum), 13j (head), 13k (hind leg).
- SIMILLIMUS Hull, 1950:611. Type-locality: Guyana, Essequibo River, Moraballi Creek. Distr. — same. Type ♂ BM (NH).
- TENUICAUDUS Curran, 1925c:339. Type-locality: Peru, El Campamiento. Distr. — Peru, Brazil. Type ♀ CU*. Ref. — Curran, 1934b:526, figs. 26 (abdomen), 27 (head).
- TRIANGULARIS Curran, 1940:6. Type-locality: Brazil, Mato Grosso, Dourados. Distr. — Brazil (São Paulo, Mato Grosso). Type ♂ AMNH*.
- litoralis* Papavero, 1964:21, figs. 1,2 (abdomen) (*Ubristes*). Type-locality: Brazil, São Paulo, Caraguatatuba, 40 m. Type ♂ MZUSP*. N. SYN.
- TRIGONIFORMIS Shannon, 1927a:19. Type-locality: Brazil, ?Vila Nova. Distr. — same. Type ♂ BM(NH).
- TRIGONUS (Hull), 1937b:21, fig. 9 (head), 9a (scutellum) (*Hypselosyrphus*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ MCZ*. N. COMB.
- ULOPODUS (Hull), 1944j:34 (*Ubristes*). Type-locality: Peru, Putumayo Dist., Lachoruria. Distr. — same. Type ♀ CU*. N. COMB.
- WHEELERI Mann, 1928:168. Type-locality: Panama, Canal Zone, Red Tank. Distr. — same. Type ♂ USNM*.

Subgenus MICRODON Meigen

- ABNORMIS Curran, 1925c:345. Type-locality: Venezuela, Caura Valley. Distr. — same. Type ♀ MCZ*.
- AEOLIDIFORMIS Wheeler, 1924:239, fig. 1 (larva, puparium). Type-locality: Panama, Canal Zone, Frijoles. Distr. — same. Type (larva) USNM.

- ANGUSTIVENTRIS (Macquart), 1855:105 (85) (*Aphritis*). Type-locality: "Amérique méridionale". Distr. — Guyana. Type ♂ OXF*.
- ANGUSTUS (Macquart), 1846:250 (122) (*Aphritis*). Type-locality: "Cayenne". Distr. — Colombia, Guyana. Type ♂ MNHN?
- AQUILINUS Giglio-Tos, 1892c:2. Type-locality: Mexico, Tuxpango. Distr. — same. Type ♀ UTOR.
- ARGENTINAE Hull, 1937b:18. Type-locality: Argentina, Córdoba. Distr. — same. Type ♂ MCZ*.
- AUREOScutus Hull, 1943e:709. Type-locality: "Amazon". Distr. — same. Type ♂ BM(NH).
- AUREUS Hull, 1944c:35. Type-locality: Ecuador, Oriente, Río Naxo, Jatun Yacu, Watershed, 700 m. Distr. — same. Type ♀ MCZ*.
- AURICINCTUS (Sack), 1931:148, figs. 23a (head), 24 (habitus) (*Rhopalosyrphus*). Type-locality: Paraguay, St. Trinidad. Distr. — same. Type ♀ DEL. N. COMB.
- AURIFACIUS Hull, 1937a:169. Type-locality: Brazil, São Paulo, Itaquaquecetuba. Distr. — same. Type ♂ USNM*.
- AURIFASCIA Hull, 1944e:245. Type-locality: Brazil, São Paulo, Alto da Serra (= Paranaapiacaba). Distr. — same. Type ♂ BM(NH).
- AURIFEX Wiedemann, 1830:85. Type-locality: "Brazil". Distr. — Mexico (Guerrero), Brazil. Type ♀ VMNH*. Ref. — Williston, 1891:pl. 1, fig. 2 (habitus), 2a (head).
- trochilus* Walker, 1852:216. Type-locality: "Mexico". Type ♀ BM(NH).
- AURIGASTER Hull, 1941g:160. Type-locality: Bolivia, Prov. Sara. Distr. — same. Type ♂ MCZ*.
- AURULENTUS (Fabricius), 1805:185 (*Mulio*). Type-locality: U.S.A., "Carolina". Distr. — U.S.A. (New York to North Carolina); ?Mexico [Giglio-Tos, 1892e:35] (probably not neotropical). Type ♀ (lost?). Ref. — Curran, 1925a:80 (redescription), 196, fig. 41 (antenna).
- BALIOPTERUS Loew, 1872a:86 (1872b:262). Type-locality: U.S.A., Texas. Distr. — U.S.A. (California to Virginia, south to Florida); Mexico. Types ♂ ♀ MCZ (lost)*. Ref. — Curran, 1925a:87 (redescription), pl. 5:47 (scutellum + antenna), 9:47 (male genitalia).
- var. BRUNNIPENNIS Hull, 1944i:400. Type-locality: Guatemala, St. Thomas. Type ♂ VMNH*.
- BANKSI Hull, 1942a:91. Type-locality: Cuba, coast below Pico Turquino. Distr. — same. Type ♀ MCZ*.
- BARBIELLINII Curran, 1936b:6. Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ AMNH*.
- BARBOURI Hull, 1942a:89. Type-locality: Brazil, Paraná, Paranaguá. Distr. — same. Type ♀ MCZ*.
- BASSLERI Curran, 1940:10. Type-locality: Peru, Río Ucayali. Distr. — same. Type ♀ AMNH*.
- BATESI Shannon, 1927a:22. Type-locality: Brazil, Amazon. Distr. — same. Type ♀ BM(NH).
- EEEBEI Curran, 1936b:4. Type-locality: Guyana, Kartabo. Distr. — Surinam, Guyana. Type ♀ AMNH*. Ref. — Doesburg, 1966:89, fig. 62 [not 61] (habitus).
- BELLULUS (Williston), 1891:1, pl. 1:1 (habitus), 1b (head) (*Mixogaster*). Type-locality: Mexico, Guerrero, La Venta, 300 ft. Distr. — same. Type ♂ BM(NH). N. COMB.
- BICOLOR (Walker), 1857:151 (*Ceratophya*). Type-locality: Brazil, Pará. Distr. — same. Type ♂ BM(NH)*. N. COMB.
- BIDENS (Fabricius), 1805:185 (*Mulio*). Type-locality: "America meridionali". Distr. — Guyana, Argentina. Type ♂ MC*.

- BILUMINIFERUS Hull, 1944i:399. Type-locality: Brazil, Espírito Santo. Distr. — same. Type ♂ VMNH*.
- BISPINA Hull, 1943e:707. Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ BM(NH).
- BONARIENSIS Lynch Arribálzaga, 1891:194 (1892c:35), fig. 1 (wing). Type-locality: Argentina, Prov. Buenos Aires. Distr. — same. Type ? MACN.
- BRUCHI Shannon, 1927d:38. Type-locality: Argentina, Córdoba, Alta Gracia. Distr. — same. Types ♀ USNM & MACN*.
- BRUESI Hull, 1945b:77. Type-locality: Haiti, Port-au-Prince and vicinity. Distr. — same. Type ♀ MCZ*.
- BRUTUS Hull, 1944j:37. Type-locality: Brazil, Bahia, Igrapiúna. Distr. — same. Type ♂ CU*.
- CAESAR Curran, 1940:10. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
- CERIOIDES Hull, 1943e:716. Type-locality: Paraguay, San Bernardino. Distr. — same. Type ♂ BM(NH).
- CHRYSIDIMIMUS (Hull), 1937c:116 (*Chysidimyia*). Type-locality: Brazil, Santarém. Distr. — same. Type ♂ CM. Ref. — Hull, 1938:128, fig. 7 (head).
- chrysidiformis*, Hull, 1944e:241, misspelling.
- CLARIPENNIS (Hine), 1914:334 (*Mixogaster*). Type-locality: Guatemala, Los Amates. Distr. — same. Type ♂ OhSU. N. COMB.
- COARCTATUS Loew, 1864a:74 (1864b:236). Type-locality: U.S.A., District of Columbia. Distr. — U.S.A. (Nebraska to Maryland, south to Florida); Mexico. Types ♂ ♀ MCZ (lost — FCT). Ref. — Curran, 1925a:86 (redescription), pl. 5:46 (scutellum & antenna).
- CONOPS Curran, 1940:4. Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — same. Type ♂ AMNH*.
- CORONA Curran, 1940:9. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
- CRASSITARSIS (Macquart), 1848:198 (38) (*Aphritis*). Type-locality: "Rio Negro". Distr. — same. Types ♂ OXF*.
- CURRANI Goot, 1964:214 (nom. nov. for *clavicornis* Curran). Distr. — Guyana.
- clavicornis* Curran, 1940:6 (preocc. Sack, 1926). Type-locality: Guyana, Mazaruni, High Forest. Type ♀ BM(NH).
- CYANEIVENTRIS (Macquart), 1846:249 (121), pl. 10, fig. 14 (wing) (*Aphritis*). Type-locality: "Colombia". Distr. — same. Types ♀ OXF*.
- cyanoventrís*, Williston, 1886:310, misspelling.
- CYANEUS Perty, 1930:186, pl. 37:4. Type-locality: Brazil, "Provincia Piauiensis". Distr. — same. Type(s) ? ZSM.
- DIAPHANUS Sack, 1921:146, figs. 21 (habitus), 22 (head). Type-locality: Paraguay, St. Trinidad. Distr. — Brazil, Paraguay. Type ♂ DEI.
- EMERALDA Hull, 1943e:719. Type-locality: "Guyana". Distr. — same. Type ♂ BM(NH).
- EUTRISTIS Curran, 1925a:74, pl. 4:35 (head). Type-locality: Mexico, Yucatán. Distr. — same. Type ♂ UK.
- FALCATUS Williston, 1887b:9. Type-locality: Mexico, Isthmus of Tehuantepec. Distr. — same. Types ♀ USNM.
- FENESTRATUS Hull, 1943e:712. Type-locality: "Amazon". Distr. — same. Type ♂ BM(NH).
- FLAVIPENNIS Curran, 1925c:342. Type-locality: Guyana, Bartica. Distr. — same. Type ♀ MCZ.

- FLAVOFASCIUM Curran, 1925c:346. Type-locality: Brazil, Minas Gerais, Lasserre. Distr. — same. Type ♂ CU*.
- FLAVOLUNA Hull, 1943e:718. Type-locality: Paraguay, San Bernardino. Distr. — same. Type ♂ BM(NH).
- FLAVOMARGINATUS Curran, 1925b:245. Type-locality: Peru, Putamayo. Distr. — Brazil (Amapá), Peru. Type ♂ CU*.
- FUCATISSIMUS (Hull), 1937c:120 (*Syrphipogon*). Type-locality: "South America". Distr. — same. Type ♂ CM. Ref. — Hull, 1938:128, fig. 6 (head).
- FULGENS Wiedemann, 1830:82. Type-locality: U.S.A., Georgia [as "New Georgia"]. Distr. — U.S.A. (New Jersey south to Florida); Guyana. Type ♀ ZMB. Ref. — Curran, 1925a:50 (redescription), pl. 3:17 (habitus).
- euglossoides* Gray, 1832:779, pl. 125:2. Type-locality: ??? Type ? OXF?
- GAIGEI Steyskal, 1953:1, figs. 1a (wing tip), b (antenna), c (scutellum), d (head). Type-locality: Panama, Chiriquí Prov., Progreso. Distr. — Panama. Type ♀ MZM.
- GEIJSKESI Doesburg, 1966:80. Type-locality: Surinam, near Paramaribo, Kwatta, parwa-wood. Distr. — Surinam. Type ♂ Doesburg.
- GRACILIS Bigot, 1883b:320. Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH)*.
- GRANULATUS Curran, 1940:9. Type-locality: Guyana, Mazaruni. Distr. — Guyana. Type ♀ BM(NH).
- HERMETIA Curran, 1936b:3. Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ AMNH*.
- HERMETOIDES Curran, 1940:8. Type-locality: Guyana, Essequibo River, Moraballi Creek. Distr. — same. Type ♂ BM(NH).
- HISTRIO Wiedemann, 1830:83, pl. 9, fig. 6 (abdomen). Type-locality: Uruguay, Montevideo. Distr. — same. Type ♀ ZMB.
- HONDURANIUS Hull, 1940a:247. Type-locality: "Honduras, Salada River, 15 miles inland from Ceiba". Distr. — same. Type ♂ Hull.
- IGNOBILIS (Rondani), 1848:73 (*Aphritis*). Type-locality: "Brazil". Distr. — same. Types ♂ ♀ MIZUN.
- IHERINGI Bezzi, 1910:320. Type-locality: Brazil, State of São Paulo. Distr. — same. Type ♂ MCSNM*.
- INAEQUALIS Loew, 1866b:40 (1872b:100). Type-locality: "Cuba". Distr. — same. Type ♂ MCZ (lost)*.
- INSTABILIS Wiedemann, 1830:83. Type-locality: "Brazil". Distr. — Brazil, Argentina. Type ♀ ZMB.
- dives* Rondani, 1848:72 (*Aphritis*). Type-locality: "Brazil". Type ♂ UTOR.
- LAETUS Loew, 1864a:74 (1864b:236). Type-locality "Cuba". Distr. — U.S.A. (Maryland south to Texas, Florida); Antilles. Types MCZ (lost)*.
- LANGI Curran, 1925c:341. Type-locality: Guyana, Kamakusa. Distr. — Guyana, Brazil. Type ♂ CU*.
- LAZULI (Hull), 1944e:241 (*Chrysidimya*). Type-locality: "Amazons, Vila Nova". Distr. — same. Type ♀ BM (NH).
- LIMBATUS Wiedemann, 1830:85. Type-locality: Brazil, Rio Grande do Sul, Caçapava do Sul. Distr. — same. Type ? ZMB.
- LURIDESCENS (Walker), 1857:151 (*Ceratophya*). Type-locality: "Valley of Amazon". Distr. — same. Type ♀ BM(NH)*. N. COMB.
- MACQUARTII Lynch Arribálzaga, 1891:126 (1892c:30) (nom. nov. for *angustus* Macquart, 1848). Distr. — Uruguay.
- angustus* Macquart, 1848:198 (38) (*Aphritis*; preocc. Macquart, 1846). Type-locality: "Minas". Types ♂ ♀ MNHN?
- angustatus*, Fluke, 1957:29, misspelling.



- MARCELI Curran, 1936b:7. Type-locality: Brazil, Mato Grosso, Chapada Distr. — same. Type ♂ AMNH*.
- MELLOGUTTA Hull, 1943e:704. Type-locality: "Amazon". Distr. — same. Type ♀ BM(NH).
- MIRABILIS Williston, 1888:257. Type-locality: Brazil, Mato Grosso, Chapada Distr. — Brazil (Mato Grosso, Santa Catarina), Paraguay. Types ♂ ♀ AMNH*.
- bertonii* Bezzi, 1910:319. Type-locality: Paraguay, Puerto Bertoni. Types ♂ ♀ MCSNM. N. SYN.
- arcuata* Curran, 1941:250. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ AMNH*. N. SYN.
- MITIS Curran, 1940:7. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil (Rio de Janeiro, Santa Catarina). Type ♂ AMNH*.
- MUS Curran, 1936b:5. Type-locality: Brazil, São Paulo, Juquiá. Distr. — same. Type ♂ AMNH*.
- NERO Curran, 1936b:6. Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo, Santa Catarina). Type ♂ AMNH*.
- NESTOR Curran, 1940:11. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
- NIGER Williston, 1891:4, pl. 1:3 (habitus), 3a (head). Type-locality: Mexico, Vera Paz, Panima. Distr. — Mexico, Bolivia. Type ♂ BM(NH).
- manni* Shannon, 1923b:80. Type-locality: Bolivia, Ivon, Río Beni. Type ♀ USNM*. N. SYN.
- NIGRISPINOSUS Shannon, 1927a:21. Type-locality: Brazil, Amazonas, Tefé (as Ega). Distr. — Panama, Brazil. Type ♂ BM(NH).
- NORMALIS Curran, 1925c:343. Type-locality: Guyana, West bank of Demerara River. Distr. — Guyana. Type ♀ AMNH*.
- OLIGONAX Hull, 1944j:35. Type-locality: Ecuador, Pto. America, Río Putumayo. Distr. — Ecuador, Brazil. Type ♀ CU*.
- OPULENTUS Bigot, 1883b:319. Type-locality: "Brazil". Distr. — same. Type ♂ BM(NH).
- PAUPER (Rondani) 1848:74 (*Aphritis*). Type-locality: "Brazil". Distr. — same. Type ♂ MIZUN.
- PULCHER Williston, 1887b:5. Type-locality: Cuba, San Domingo. Distr. — Mexico (Durango), Cuba. Type ♀ USNM*.
- REMOTUS Knab, 1917:142. Type-locality: Cuba. Distr. — same. Type ♂ USNM*.
- REMUS Curran, 1941:250. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*.
- RHEOCHRYSSUS Hull, 1944j:38. Type-locality: Argentina, Jujuy, S. Juancito. Distr. — Brazil (São Paulo), Argentina (Jujuy). Type ♂ CU*.
- RUBRIVENTRIS Lynch Arribálzaga, 1891:128 (1892c:32), fig. 2 (head). Type-locality: Argentina, Buenos Aires, Chacabuco. Distr. — same. Type ? MACN.
- RUFIVENTRIS (Rondani), 1848:73 (*Aphritis*). Type-locality: "Brazil". Distr. — same. Type ♀ MIZUN.
- SEABRAI (Papavero), 1962:317, fig. 1 (head) (*Pseudomicrodon*). Type-locality: Brazil, Guanabara, Sumaré. Type ♂ Seabra. N. COMB.
- SHANNONI Curran, 1940:8. Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — same. Type ♀ AMNH*.
- SOLITARIUS Curran, 1930f:8. Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ AMNH*.
- SPLENDENS Wiedemann, 1830:84. Type-locality: "Brazil". Distr. — Brazil (Mato Grosso, Santa Catarina). Type ♂ VMNH*.

- STRAMINEUS Hull, 1943e:703. Type-locality: Brazil, Pará. Distr. — same. Type ♀ BM(NH).
- SUPERBUS Wiedemann, 1830:82. Type-locality: "Brazil". Distr. — same. Type ♀ SMF*.
- TIGRINUS Curran, 1940:11. Type-locality: Brazil, Rio de Janeiro. Distr. — same. Type ♂ AMNH*.
- TRILINEA Hull, 1943e:710. Type-locality: "Amazon". Distr. — same. Type ♂ BM(NH).
- TRIVITTATUS Curran, 1925c:344. Type-locality: Guyana, Kartabo. Distr. — Guyana, Brazil (Amapá). Type ♂ AMNH*.
- VIOLACEUS (Macquart), 1842:73 (13), pl. 1, figs. 3 (habitus), 3a (head) (*Aphritis*). Type-locality: "Chile". Distr. — Chile (Coquimbo — Malleco). Type ♂ MNHN*.
- VIOLENS Townsend, 1895a:34. Type-locality: "Jamaica". Distr. — same. Type ♀? UK.
- VIRGO Curran, 1940:7. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
- VIRIDIS Townsend, 1895b:610. Type-locality: Mexico, Baja California, San José del Cabo. Distr. — Canada (British Columbia), U.S.A. (California); Mexico. Type ♀ CAS (destroyed).
- WILLISTONI Mik, 1899:143 (nom. nov. for *inermis* Williston). Distr. — Argentina.
- inermis* Williston, 1888:258 (preocc. Loew, 1858). Type-locality: Argentina, Entre Ríos. Type ♂ AMNH*.

Genus NOTHOMICRODON Wheeler

- NOTHOMICRODON Wheeler, 1924:243. Type-species, *aztecarum* Wheeler (orig. des.).
- AZTECARUM Wheeler, 1924:243, fig. 2 (habitus), 3 (details of puparium). Type-locality: Panama, Canal Zone, Frijoles. Types (larvae) USNM*.

Subfamily MILESIINAE

Tribe PIPIZINI

Genus PIPIZA Fallén

- PIPIZA Fallén, 1810:11. Type-species, *Musca noctiluca* Linnaeus (Curtis, 1837:pl. 669).
- Penium* Philippi, 1865:741. Type-species, *triste* Philippi (mon.). Ref. — Shannon & Aubertin, 1933 (key).
- AURANTIPES (Bigot), 1857a:297, pl. 7:8 (wing, head, antenna) (*Cheilosia*). Type-locality: "Chile". Distr. — Chile. Type ♂ OXF*.
- flavipes* Philippi, 1865:738 (*Sterphus*; preocc. Philippi, 1865). Type-locality: "Chile". Type(s) ? MNHNS.
- ?BELLULA Williston, 1891:6. Type-locality: Mexico, Guerrero, Xucumanatlán, 7000 ft. Distr. — same. Types ♂ BM(NH).
- CLARIPENNIS Shannon & Aubertin, 1933:144. Type-locality: Chile, Casa Pangue. Distr. — Chile, Argentina (Neuquén). Type ♂ BM(NH).
- FLAVIPES (Philippi), 1865:pl. 27, fig. 41 (*Penium*). Type-locality: "Chile". Distr. — same. Type(s) ♀ MNHNS [as 1st revisers, we here recognize *Penium flavipes* as senior to *Sterphus flavipes* Philippi].



- ?HIRSUTOPS Hull, 1949c:744. Type-locality: Mexico, Oaxaca. Distr. — same. Type ♂ BM(NH).
 TRISTIS (Philippi), 1865:741 (*Penium*). Type-locality: Chile, Corral. Distr. — Chile. Type(s) ? MNHNS.
dubium Bigot, 1884a:557 (*Penium*). Type-locality: "Chile". Types ♂ ♀ BM(NH).

Genus TRICHOPSOMYIA Williston

- TRICHOPSOMYIA Williston, 1888:259. Type-species, *polita* Williston (Hull, 1949d:330).
Halictomyia Shannon, 1927a:13. Type-species, *boliviensis* Shannon (orig. des.).
 Ref. — Fluke, 1937 (key).
 BOLIVIENSIS (Shannon), 1927a:13, fig. 6 (wing) (*Halictomyia*). Type-locality: Bolivia, Cavinassas, Beni. Distr. — same. Type ♀ USNM.
 CATHARINENSIS (Enderlein), 1938:195 (*Pipiza*). Type-locality: Brazil, Santa Catarina, Hochland. Type ♀ ZMB. N. COMB.
 CURRANI Fluke, 1937:2, fig. 1 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*.
 GRANDITIBIALIS Fluke, 1937:3, figs. 4 (hind leg), 5 (antenna). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*.
 LASIOTIBIALIS Fluke, 1937:2, figs. 2 (head), 3 (antenna). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
 LONGICORNIS Williston, 1888:261. Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♀ AMNH*.
 POLITA Williston, 1888:260. Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Types ♂ ♀ AMNH*.
 PUELLA Williston, 1888:260. Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Types ♂ ♀ AMNH*.
 TUBERCULATA Williston, 1888:260. Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♀ AMNH*.
 ULEANA (Enderlein), 1938:195 (*Pipiza*). Type-locality: Brazil, Santa Catarina, Hochland. Distr. — same. Type ♂ ZMB. N. COMB.
 URANIA Hull, 1949a:73. Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull.

Tribe CHEILOSIINI

Genus CHEILOSIA Meigen

- CHEILOSIA Meigen, 1822:296. Type-species, *Eristalis scutellatus* Fallén (Rondani, 1856:51).
Chilosia, *auctororum*, misspelling or emendation.
 Ref. — Hull & Fluke, 1950 (rev. of subgroups).

Subgenus CHEILOSIA Meigen

- Ref. — Hull & Fluke, 1950 (rev., key).
 ?AUROTECTA Giglio-Tos, 1892d:4. Type-locality: Mexico, Orizaba. Distr. — same. Types ♂ ♀ UTOR. Ref. — Giglio-Tos, 1893: fig. 22 (head).
auritecta, Fluke, 1957:44, misspelling.
 CHRYSOCHLAMYS Williston, 1891:8, pl. 1:4 (habitus), 4a (head) (*Chilosia*). Type-locality: Mexico, Guerrero, Omiltemi; Sierra de las Aguas Escondidas, 9500 ft. Distr. — U.S.A. (California), Mexico.



Types ♂ ♀ BM(NH) & AMNH*. Ref. — Hull & Fluke, 1950:346 (redescription), fig. 35 (head).

SORORIA Williston, 1891:8 (*Chilosia*). Type-locality: Mexico, Durango, Ciudad. Distr. — same. Types ♀ BM(NH). Ref. — Hull & Fluke, 1950:348 (redescription), fig. 24 (head).

Subgenus CARTOSYRPHUS Bigot

CARTOSYRPHUS Bigot, 1883b:230 (as genus). Type-species, *Syrphus paganus* Meigen (Coquillett, 1910b:376). Ref. — Fluke & Hull, 1947 (rev. key).

FRONTOSA (Bigot), 1884a:553 (*Cartosyrphus*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH).

SORORCULA Williston, 1891:9 (*Chilosia*). Type-locality: Mexico, Guerrero: Omiltemi, 8000 ft., Xucumanatlán, 7000 ft.; Sierra de las Aguas Escondidas, 7000 ft. Distr. — U.S.A. (Oregon to Idaho), south to Mexico. Types ♂ BM(NH). Ref. — Fluke & Hull, 1947:250, fig. 33 (head) (redescription).

Genus RHINGIA Scopoli

RHINGIA Scopoli, 1763:358. Type-species: *Conops rostrata* Linnaeus (mon.).

LONGIROSTRIS Fluke, 1943:430, figs. 10 (wing tip), 11 (head). Type-locality: Ecuador, Bolivar, Hda. Talahua, 3100 ft. Distr. — same. Type ♂ AMNH*.

NIGRA Macquart, 1846:261 (133), tab. 11:10 (head). Type-locality: "Colombia". Distr. — Mexico (Tabasco), Colombia, Brazil. Types ♂ OXF*. Ref. — Fluke, 1943:427, fig. 12 (head).

harrisi Curran, 1925b:253. Type-locality: Brazil, Rio de Janeiro, Petrópolis. Type ♂ CU. N. SYN.

Genus CHAMAESYRPHUS Mik

CHAMAESYRPHUS Mik, 1895:133. Type-species, *Rhingia scaevoides* Fallén (mon.).

WILLISTONI (Snow), 1895a:187 (*Pelecocera*). Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (New Mexico), Mexico. Type ♀ UK.

skinneri Johnson, 1903:101 (*Chilosia*). Type-locality: U.S.A., New Mexico, Beulah. Type ♀ ANSP. N. SYN.

Tribe VOLUCCELLINI

Genus ORNIDIA Lepeletier & Serville

ORNIDIA Lepeletier & Serville, in Latreille *et al.*, 1828:786. Type-species, *Syrphus obesus* Fabricius (orig. des.). Refs. — Curran, 1930d (key); Val, 1972 (key, biometry, evolution).

AEMULA (Willison), 1888:272 (*Volucella*). Type-locality: Bolivia, Santa Cruz, Piedra Blanca. [4 km West of Corumbá, Mato Grosso, Brazil]. Distr. — Venezuela, Bolivia, Colombia, Brazil. Types ♀ AMNH*.

MAJOR Curran, 1930d:2. Type-locality: "Brazil". Distr. — Costa Rica, Panama, Ecuador, Peru, Brazil. Type ♂ AMNH*.

OBESA (Fabricius), 1775:763 (*Syrphus*). Type-locality: "America". Distr. — U.S.A. (Georgia, New Mexico, Texas, Florida); south to Peru



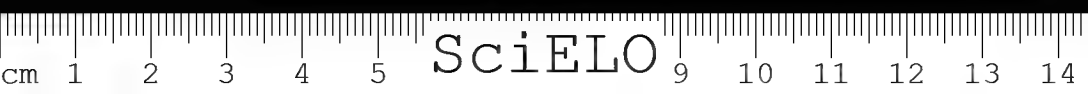
and Argentina (Entre Ríos, Tucumán). Types ? Kiel [not found — JRV]. Ref. — Williston, 1887b:312 (redescription), pl. 5:9 (head); Sack, 1921:138 (description), figs. 12 (larva), 11e (spiracular horn), 13 (anal organ of larva), 14 (puparium); Curran, 1925a: 206, pl. 10:141 (male genitalia).
violacea Macquart, 1842:83 (23) (*Volucella*; preocc. Lepeletier & Serville, 1828; Say, 1830). Type-locality: Brazil. Type ♀ MNHN.
obesoides Giglio-Tos, 1892c:4 (*Volucella*). Type-locality: Mexico. Type ♂ UTOR*. N. SYN.

Genus TACHINOSYRPHUS Hull

TACHINOSYRPHUS Hull, 1936b:167. Type-species, *pseudotachina* Hull (orig. des.).
 PSEUDOTACHINA Hull, 1936b:167. Type-locality: Peru, Crucero, Moscardones. Distr. — same. Type ♂ USNM*. Ref. — Hull, 1949d:349, fig. 20f (head).

Genus COPESTYLUM Macquart

COPESTYLUM Macquart, 1846:252 (124). Type-species, *flaviventris* Macquart (mon.) = *marginatum* Say.
Phalacromyia Rondani, 1848:67. Type-species, *submetallica* Rondani (Coquillett, 1910a:587).
Phalacromyia, emendation.
Glaurotricha Thomson, 1869:493. Type-species, *muscaria* Thomson (mon.).
Haurotricha Thomson, 1869:493. Incorrect original spelling of *Glaurotricha* Thomson (1st reviser, Bigot, 1883b:250).
Atemnocera Bigot, 1882a:cxiv. Type-species, *Volucella scutellata* Macquart (mon.).
Aptophysophora Williston, 1888:276. Type-species, *scutellata* Williston (Curran, 1930d:5) = *trituberculatum* Thompson.
Megametopon Giglio-Tos, 1891:5. Type-species, *Ophromyia nasica* Williston (Williston, 1892:79 & Giglio-Tos, 1892e:44).
Ophromyia Williston, 1891:55. Type-species, *nasica* Williston (mon.).
Camerania Giglio-Tos, 1892a:3. Type-species, *macrocephala* Giglio-Tos (as *Temnocera megacephala*? Loew; orig. des.).
Viereckomyia Curran, 1925b:246. Type-species, *Temnocera gibbera* Schiner (orig. des.).
Lepidopsis Curran, 1925b:247. Type-species, *compactus* Curran (orig. des.).
Lepidosis, Thompson, 1965, misspelling.
Volucella, subg. *Volosyrpha* Shannon, 1929:575. Type-species, *tibialis* Shannon (orig. des.) = *rufitarse* Thompson.
Volucellosia Curran, 1930d:5. Type-specie, *Volucella fornax* Townsend (orig. des.).
 Refs. — Curran, 1930d (keys); Curran, 1939a (key); Curran, 1947b (key to *vesicularium* group); Curran, 1953 (keys to *abdominale* and *esuriens* groups); Curran, 1935 (key to *marginatum* group); Fluke, 1953 (key to *scutellatum* group).
 ABDOMINALE (Wiedemann) 1830:196 (*Volucella*). Type-locality: "Cuba". Distr. — U.S.A. (Florida); Bahamas (Grand Turk I.), Cuba. Types ♂ VMNH & ZMB. Ref. — Curran, 1926a: 64 (redescription). N. COMB.
 ABRUPTA (Curran), 1925b:251 (*Phalacromyia*). Type-locality: Brazil, Rio Grande do Norte, Baixa Verde. Distr. — Venezuela, Brazil.



- Type ♂ CU. Ref. — Fluke, 1951b:22 (redescription), figs. 10 (head), 19 (wing), 34 (scutellum). 44 (antenna). N. COMB.
- ACUTIFRONS (Curran), 1939b:12 (*Volucella*). Type-locality: Peru, Tarapoto Region. Distr. — Peru. Type ♂ AMNH*. N. COMB.
- ALBIFRONS (Curran), 1939b:16 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.
- ALBIPILOSUM (Hull), 1937a:166 (*Volucella*). Type-locality: Mexico, San Martin. Distr. — same. Type ♂ USNM*. N. COMB.
- ALBITARSE (Lynch Arribáizaga), 1892b:244 (1892c:145) (*Phalacromyia*). Type-locality: Argentina, Altas Misiones. Distr. — same. Type ♀ MACN. N. COMB.
- ALCEDO (Curran), 1926a:53; 1934b:388 (*Volucella*). Type-locality: "Venezuela". Distr. — Guyana, Venezuela. Type ♀ MCZ*. N. COMB.
- ALCEDOIDES (Curran), 1939b:11 (*Volucella*). Type-locality: Trinidad, St. Ann's. Distr. — same. Type ♂ AMNH*. N. COMB.
- ALCHIMISTA (Rondani), 1848:64, fig. 2 (wing) (*Volucella*). Type-locality: "Brazil". Distr. — same. Type ♂ MIZUN. N. COMB.
- AMBROSETII (Lynch Arribáizaga), 1892d:179 (1892c:129) (*Volucella*). Type-locality: Argentina, Misiones, Moconá. Distr. — same. Types ♂ ♀ MACN. N. COMB.
- AMETHYSTINUM (Bigot), 1875:479 (*Volucella*, as *amethystina*; emendation: Williston, 1891:52). Type-locality: "Mexico". Distr. — same. Type ♂ OXF*. N. COMB.
- ANNA (Williston), 1887b:138, pl. 6:8 (head) (*Volucella*). Type-locality: U.S.A., Arizona. Distr. — U.S.A. (Arizona, New Mexico); Mexico (Chiapas). Type ♂ USNM*. Ref. — Curran, 1925a:206, pl. 10:142 (male genitalia). N. COMB.
- APERTUM (Walker), 1860:292 (*Volucella*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH). N. COMB.
- APICALE (Loew), 1866a:151 (1872b:25) (*Volucella*). Type-locality: "Cuba". Distr. — U.S.A. (Maryland [Wirth, *et al.*, 1965:600]); Cuba. Type ♂ MCZ. Ref. — Williston, 1887b:149 (redescription). N. COMB.
- APICIFERUM (Townsend), 1895a:40 (*Volucella*). Type-locality: U.S.A., New Mexico, Las Cruces. Distr. — U.S.A. (California to Arizona); Mexico. Type ♀ UK. N. COMB.
- APICULA (Curran), 1939b:6 (*Volucella*). Type-locality: Peru, Middle Río Ucayali. Distr. — Panama, Brazil (Acre), Peru. Type ♂ AMNH*.
- ARICA (Fluke), 1950b:450, figs. 14 (head), 15 (antenna), 16 (male genitalia) (*Volucella*). Type-locality: Chile, Arica, Putre, 3650 m. Distr. — Chile (Antofagasta, Tarapacá). Type ♀ UCSC. N. COMB.
- ARICIA (Curran), 1930d:22 (*Volucella*). Type-locality: Argentina, foothills west of Mendoza. Distr. — Argentina (Tucumán to Río Negro). Type ♀ AMNH. N. COMB.
- diversum* Fluke, 1951b:11, figs. 3 (head), 25 (scutellum), 38 (antenna), 52 (male genitalia) (*Volucella*). Type-locality: Argentina, Río Negro, Isla Choele Choe. Type ♂ IML. N. SYN.
- ASTARTE (Hull, 1950a:70 (*Volucella*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull. N. COMB.
- ASTER (Curran), 1939b:3 (*Volucella*). Type-locality: Peru, Piches and Perené Valleys, 2000-3000 ft. Distr. — same. Type ♀ AMNH*. N. COMB.
- AUREUM (Fluke), 1951b:13, figs. 6 (head), 27 (scutellum) (*Volucella*). Type-locality: Colombia, Cundinamarca, Zipacoa. Distr. — same. Type ♀ AMNH*. N. COMB.



- AVIDUM (Osten-Sacken), 1877:333 (*Volucella*). Type-locality: U.S.A., California. Distr. — Canada (British Columbia) south to U.S.A. (California & Texas); Mexico (Guanajuato). Types ♂ MCZ*. Ref. — Williston, 1887b:139 (redescription). N. COMB.
- AZUREUM (Philippi), 1865:734 (*Volucella*). Type-locality: Chile, Colchagua, "Prope Llico". Distr. — Chile (Aconcagua — Linares), Argentina. Type ♂ MNHNS. N. COMB.
- AZURINUM (Hull), 1941h:314 (*Volucella*). Type-locality: Brazil, Bonito(?). Distr. — same. Type ♂ Hull. N. COMB.
- BASSLERI (Curran), 1939b:9 (*Volucella*). Type-locality: Peru, Iquitos. Distr. — same. Type ♂ AMNH*. N. COMB.
- BEATRICEA (Hull), 1950c:235 (*Volucella*). Type-locality: "Ecuador". Distr. — Ecuador. Type ♀ Hull. N. COMB.
- ecuadorea* Fluke, 1951b:14, figs. 7 (head), 28 (scutellum), 51 (male genitalia) (*Volucella*). Type-locality: Ecuador, Azuay, Cuenca, 2650 m. Type ♂ AMNH*.
- BELINDA (Hull), 1949h:31 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ Hull. N. COMB.
- BELLULUM (Williston), 1891:42 (*Phalacromyia*). Type-locality: Mexico, North Yucatán, Temax. Distr. — same. Types ♂ BM(NH). N. COMB.
- BEQUAERTI Curran, 1930f:2. Type-locality: Mexico, Yucatán, Chichén Itzá. Distr. — same. Type ♂ AMNH*.
- BIMACULATUM (Sack), 1941:110 (1951:106) (*Phalacromyia*). Type-locality: Peru, Pichis and Pachitea. Distr. — same. Types ♂ ♀ MD. N. COMB.
- BINOMINATUM (Goot), 1964:214 (*Volucella*; nom. nov. for *fuscipenne* Macquart). Distr. — Bolivia. N. COMB.
- fuscipenne* Macquart, 1850:435 (131), pl. 12, fig. 14 (head) (*Volucella*; preocc. Macquart, 1842). Type-locality: Bolivia, Chiquitos. Type ♀ MNHN. N. COMB.
- BIPUNCTATUM (Hull), 1941g:157 (*Phalacromyia*). Type-locality: Paraguay, Pastorea. Distr. — same. Type ♂ MCZ*. N. COMB.
- BOLIVIANUM (Hine), 1914:338 (*Volucella*). Type-locality: Bolivia, La Paz. Distr. — Bolivia, Peru. Type ♀ OhSU. N. COMB.
- BRADLEYI (Curran), 1925c:348 (*Volucella*). Type-locality: Peru, Matucana. Distr. — Chile (Tarapacá), Peru (Lima, Arequipa). Type ♀ CU. Ref. — Fluke, 1951b:26 (redescription). N. COMB.
- BRAZILIANUM (Hull), 1938:124, fig. 4 (head) (*Volucella*). Type-locality: Brazil, Amazonas, Rio Purus, Huitanaã. Distr. — same. Type ♀ CM. N. COMB.
- BREVE (Giglio-Tos), 1892c:4 (*Volucella*). Type-locality: Mexico, Meztilán. Distr. — same. Types ♂ ♀ UTOR. N. COMB.
- BREVIFACIES (Curran), 1926a:52; 1934b:386, fig. 29 (head) (*Volucella*). Type-locality: Guyana, Kartabo. Distr. — Guyana, Brazil (Santa Catarina), Argentina (Tucumán). Type ♀ AMNH*. N. COMB.
- BREVIVITTATUM (Curran), 1930d:14 (*Volucella*). Type-locality: Brazil, Mato Grosso, Argentina (Misiones). Type ♂ AMNH*. N. COMB.
- BRUNERI (Curran), 1939b:6 (*Volucella*). Type-locality: Cuba, Oriente, Sierra del Cobre, Loma del Gato. Distr. — same. Type ♂ AMNH*. N. COMB.
- BRUNNICOLOR (Hull), 1938:123, figs. 8 (head), 9 (abdomen) (*Volucella*). Type-locality: Brazil, Pará, Santarém. Distr. — same. Type ♂ CM. N. COMB.
- BRUNNIGASTER (Hull), 1943k:41 (*Volucella*). Type-locality: Colombia, Meta District. Distr. — same. Type ♂ USNM. N. COMB.

- BULBOSUM (Fluke) 1951b:24, figs. 13 (head), 35 (scutellum), 45 (antenna), 63 (male genitalia) (*Volucella*). Type-locality: Ecuador, Tungurahua, Volcano Tungurahua, Minza Chica, 3750 m. Distr. — Ecuador, Argentina (Catamarca, Tucumán). Type ♂ AMNH*. N. COMB.
- CAESARIATUM (Williston), 1891:49 (*Volucella*). Type-locality: Mexico, Orizaba. Distr. — U.S.A. (Arizona), Mexico. Type ♀ BM(NH). N. COMB.
- coesariata*, Giglio-Tos, 1892, misspelling.
- hirsuta* Giglio-Tos, 1892c:3 (*Volucella*). Type-locality: Mexico, Meztillán. Type ♂ UTOR.
- CALOCHAETUM (Hull), 1941h:313 (*Volucella*). Type-locality: "Brazil". Distr. — same. Type ♂ Hull. N. COMB.
- CAMPOSI (Curran), 1939b:8 (*Volucella*). Type-locality: Ecuador, Isla Puná, Puerto Grande. Distr. — Ecuador, Argentina (Tucumán). Type ♂ AMNH*. N. COMB.
- CHAETOGASTER (Hull), 1943d:22 (*Volucella*). Type-locality: Brazil, Amazon. Distr. — same. Type ♀ BM(NH). Ref. — Hull, 1949d:349, fig. 20h (antenna), 20i (head). N. COMB.
- CHAETOPHORUM (Williston), 1887b:149 (*Volucella*). Type-locality: Mexico, Isthmus of Tehuantepec. Distr. — Mexico. Types ♂ ♀ USNM. Ref. — Williston, 1892: pl. 1:15 (habitus), 15a (head), 15b (antenna). N. COMB.
- CHALYBESCENS (Wiedemann), 1830:204 (*Volucella*). Type-locality: "Brazil". Distr. — Cuba, Trinidad, Colombia, Paraguay, Brazil. Type(s) ♂ VMNH [also 3♂, SMF*, syntypes?]. Ref. — Curran, 1926a:59 (redescription). N. COMB.
- CHAPADENSE (Curran), 1930d:13 (*Volucella*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (Mato Grosso), Peru, Argentina (Tucumán). Type ♀ AMNH*. N. COMB.
- CHLOROSUM (Hull), 1930:148 (*Volucella*). Type-locality: "Mexico". Distr. — same. Type ♀ ANSP. N. COMB.
- CINCTIVENTRE (Curran), 1930d:16 (*Volucella*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ AMNH*. N. COMB.
- CIRCE (Curran), 1939b:1 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.
- CIRCUMDATUM (Walker), 1857:154 (*Temnocera*). Type-locality: "Valley of Amazon". Distr. — same. Type ? BM(NH). N. COMB.
- CIRCUMSCRIPTUM (Curran), 1939b:13 (*Volucella*). Type-locality: Brazil, São Paulo. Distr. — same. Type AMNH*. N. COMB.
- CLARIPENNE (Curran), 1925b:247 (*Phalacromyia*). Type-locality: Peru, Lima. Distr. — same. Type ♂ CU. N. COMB.
- CLARUM (Hull), 1942h:22 (*Volucella*). Type-locality: Brazil, São Paulo, Ipiranga. Distr. — same. Type ♀ Hull. N. COMB.
- COCKERELLI (Curran), 1927c:85 (*Volucella*). Type-locality: Peru, Tingo Maria. Distr. — Chile, Peru. Type ♂ AMNH*. Ref. — Fluke, 1951b:17 (description), figs. 46 (antenna), 60 (male genitalia). N. COMB.
- COLOMBIENSE Thompson (nom. nov. for *bequaerti* Curran, 1936). Distr. — Mexico, Guatemala. NOM. NOV.
- bequaerti* Curran, 1936b:9 (*Volucella*; preocc. Curran, 1930). Type-locality: Guatemala, Guatálón, Moca, 3000 ft. Type ♀ AMNH*.
- COMPACTUM (Curran), 1925b:247 (*Lepidopsis*). Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil (Rio de Janeiro, Santa Catarina). Type ♂ CU. N. COMB.

- COMSTOCKI (Williston), 1887b:138, pl. 6:9 (head) (*Volucella*). Type-locality: U.S.A., Arizona & New Mexico. Distr. — U.S.A. (Utah to Wyoming, south to Arizona & Texas); Mexico (Sonora). Types ♂ ♀ USNM. N. COMB.
- CONCINNUM (Philippi), 1865:733 (*Volucella*). Type-locality: Chile, Prov. Santiago & Prov. Aconcagua. Distr. — Chile (Coquimbo — Santiago). Types ♂ ♀ MNHS. N. COMB.
- CONIFACIUM (Hull), 1943d:39 (*Volucella*). Type-locality: "Trinidad". Distr. — same. Type ♂ BM(NH). N. COMB.
- CONTUMAX (Curran), 1939b:4 (*Volucella*). Type-locality: "Brazil". Distr. — same. Type ♂ AMNH*. N. COMB.
- CORDIAE (Townsend), 1897a:27 (*Volucella*). Type-locality: Mexico, Vera Cruz, Río Nautla, San Rafael. Distr. — same. Types ♀ BM(NH). N. COMB.
- CORRECTUM (Curran), 1927c:87 (*Volucella*). Type-locality: Costa Rica, San José. Distr. — Panama, Trinidad. Type ♂ UK. N. COMB.
- CORUMBENSE (Curran), 1930d:18 (*Volucella*). Type-locality: Brazil, Mato Grosso, Corumbá. Distr. — same. Type ♀ AMNH*. N. COMB.
- CRAVERII (Giglio-Tos), 1892c:2 (*Volucella*). Type-locality: "Mexico". Distr. — same. Type ♂ UTOR. N. COMB.
- CREPUSCULARIUM (Hull), 1942g:94 (*Volucella*). Type-locality: Brazil, Paraná, Paranaguá. Distr. — same. Type ♀ MCZ. N. COMB.
- CRUCIATUM (Hull), 1943d:37 (*Volucella*). Type-locality: Guatemala, Zapote. Distr. — same. Type ♀ BM(NH). N. COMB.
- CUBOMACULATUM (Hull), 1937a:167, fig. 5 (abdomen) (*Volucella*). Type-locality: Peru, Iquitos. Distr. — same. Type ♀ USNM. N. COMB.
- CUPRICOLOR (Hull), 1948b:6 (*Volucella*). Type-locality: "Venezuela". Distr. — same. Type ♀ USNM. N. COMB.
- CURIOSUM (Curran), 1939b:1 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.
- CURRANI (Fluke), 1951b:12, figs. 5 (head), 26 (scutellum), 48 (male genitalia) (*Volucella*). Type-locality: Ecuador, Azuay, Cuenca, 2650 m. Distr. — Ecuador. Type ♀ AMNH*. N. COMB.
- CYANESCENS (Macquart), 1842:84 (24), pl. 6, figs. 1 (habitus), 1a (head) (*Volucella*). Type-locality: "Brazil". Distr. — Guyana, Brazil. Type ? MNHN? [not found — JRV]. N. COMB.
- CYANOPROCTUM (Curran), 1939b:11 (*Volucella*). Type-locality: "Peru". Type ♂ AMNH. N. COMB.
- CYANOPRORA (Curran), 1939b:10 (*Volucella*). Type-locality: Venezuela, Caura Valley. Distr. — same. Type ♂ AMNH. N. COMB.
- DECEPTOR (Curran), 1925b:248 (*Phalacromyia*). Type-locality: Venezuela, Caura Valley. Distr. — Venezuela, Brazil (Mato Grosso). Type ♂ MCZ*. Ref. — Curran, 1930d:13, fig. 1 (head). N. COMB.
- fuscipennis*, Williston, 1888:276, misidentification.
- DELILA (Hull), 1950c:230 (*Volucella*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ Hull. N. COMB.
- DICHOPTICUM Thompson (nom. nov. for *violaceum* Curran). Distr. — Mexico (Yucatán), Panama. NOM. NOV.
- violaceum* Curran, 1930f:1 (*Megametopon*; preocc. Say, 1830). Type-locality: Mexico, Yucatán, Chichén Itzá. Type ♂ AMNH.
- DICHROTCUM (Giglio-Tos), 1892c:3 (*Volucella*). Type-locality: Mexico, Huastec. Distr. — Mexico, Guatemala. Type ♀ UTOR. N. COMB.
- DIMORPHIUM (Curran), 1939b:14 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Tucumán). Type ♂ AMNH*. N. COMB.

- DISCALE (Curran), 1926a:57 (*Volucella*). Type-locality: "Grenada". Distr. — same. Type ♂ USNM. N. COMB.
- DISPAR (Macquart), 1846:251 (123), pl. 11, figs. 2 (wing), 2a (head) (*Volucella*). Type-locality: "New Grenada". Distr. — Guatemala, Panama, Colombia, Venezuela. Types ♂ ♀ OXF* & MNHN? N. COMB.
- ?*metalliferum* Walker p.p., 1849:636 (*Volucella*). Type-locality: "Venezuela". Type ♀ BM(NH) [Curran, 1953:8 split the species without designation of lectotype; the specimen from Mexico was placed under *mexicana* Macquart and is considered here as valid, q.v.l.].
- ?*transatlanticum* Rondani, 1863:4 (*Volucella*). Type-locality: "America merid.". Types ♂ ♀ MIZUN.
- DORSALE (Wiedemann), 1830:199 (*Volucella*). Type-locality: "Brazil". Distr. — same. Type ♂ VMNH. Ref. — Curran, 1926a:61 (redescription). N. COMB.
- DRACAENA (Curran), 1947b:2 (*Volucella*). Type-locality: U.S.A., Hawaii, Honolulu. Distr. — U.S.A. (Hawaii); Costa Rica (Wirth in Hardy, 1964:405). Type ♂ AMNH*. N. COMB.
- DUIDA (Curran), 1930d:21 (*Volucella*). Type-locality: Venezuela, Mt. Duida. Distr. — same. Type ♀ AMNH*. N. COMB.
- EMERALDA (Hull), 1934d:20 (*Volucella*). Type-locality: Brazil, Amazon. Distr. — same. Type ♂ BM(NH). N. COMB.
- EMILIA (Curran), 1939b:6 (*Volucella*). Type-locality: Guatemala, Pochuta, Sa. Emilia, 1000 m. Distr. — same. Type ♂ AMNH*. N. COMB.
- ERNESTA (Curran), 1926a:55 (*Volucella*). Type-locality: Panama, Tuipo. Distr. — Guatemala, Panama. Type ♀ AMNH*. N. COMB.
- ERNESTINA (Curran), 1930f:5 (*Volucella*). Type-locality: Mexico, Yucatán, Chichén Itzá. Distr. — Mexico (Yucatán), Peru (Cuzco). Type ♂ AMNH*. N. COMB.
- ESCOMELI (Curran), 1929:489 (*Volucella*). Type-locality: Peru, Arequipa. Distr. — Peru, Chile (Tarapacá). Type ♂ AMNH*. Ref. — Fluke, 1951b:16 (description), figs. 15 (head), 29 (scutellum), 40 (antenna), 55 (male genitalia). N. COMB.
- ESURIENS (Fabricius), 1794:281 (*Syrphus*). Type-locality: "Americae Insulis". Distr. — Puerto Rico. Type ♀ Kiel*. Ref. — Curran, 1953:8 (redescription). N. COMB.
- rica* Curran, 1939a:6 (*Volucella*). Type-locality: Puerto Rico, Ensenada. Type ♀ AMNH*.
- EUGENIA (Williston), 1887b:139, pl. 6:10 (head) (*Volucella*). Type-locality: Bahamas; U.S.A., Florida. Distr. — U.S.A. (Florida); Bahamas. Types ♀ USNM. N. COMB.
- ingenia* Curran, 1930f:4 (*Volucella*). Type-locality: Bahamas, Andros Island, Mangrove Cay, Gibson Cay. Type ♀ AMNH*.
- EUEGENIA (Curran), 1953:4 (*Volucella*). Type-locality: Jamaica, St. Andrew, Constant Spring. Distr. — Jamaica. Type ♂ AMNH*. N. COMB.
- EXTERNUM (Curran), 1939b:10 (*Volucella*). Type-locality: Peru, Río Marañón. Distr. — Peru. Type ♂ AMNH*. N. COMB.
- FLAVIPENNE (Wiedemann), 1830:203 (*Volucella*). Type-locality: "Brazil". Distr. — same. Type ♂ ZMB. N. COMB.
- FLAVISSIMUM (Giglio-Tos), 1892c:3 (*Volucella*). Type-locality: Mexico, Orizaba. Distr. — same. Type ♀ UTOR. N. COMB.
- FLAVIVENTRE Macquat, 1846:253 (125), pl. 10, figs. 16 (habitus), 16a (head). Type-locality: "Colombia, Venezuela". Distr. — same. Types ♂ ♀ OXF* [types not *marginatum* Say, either *caudatum* Curran or species near it — JRV]. N. STATUS.



- FLORELLA (Hull), 1944j:49 (*Volucella*). Type-locality: Guyana, Potaro River, Tumatumari. Distr. — same. Type ♀ CU. N. COMB.
- FLUKEI (Curran, 1936b:10 (*Volucella*). Type-locality: Brazil, Paraná. Distr. — same. Type ♀ AMNH*. N. COMB.
- FORNAX (Townsend), 1895b:613 (*Volucella*). Type-locality: Mexico, Baja California, El Toste. Distr. — U.S.A. (California, Arizona), Mexico. Type ♂ CAS [destroyed]. N. COMB.
- FRACTUM (Curran, 1926a:58 (*Volucella*). Type-locality: French Guiana, Cayenne. Distr. — same. Type ♀ AMNH*. N. COMB.
- FRAUDULENTUM (Williston), 1891:48, pl. 1:13 (habitus), 13a (head), 13b (antenna) (*Volucella*). Type-locality: Mexico, Guerrero, Venta de Zopilote, 2800 ft.; North Yucatán, Temax. Distr. — U.S.A. (California to Texas, south to Mexico (Guerrero, Yucatán). Types ♂ ♀ BM(NH) + AMNH*. N. COMB.
- FRAUENFELDI (Schiner), 1868:358 (*Temnocera*). Type-locality: "Chile". Distr. — Chile, Argentina (Tucumán, La Rioja, Mendoza). Type ♂ ♀ VMNH. Ref. — Shannon & Aubertin, 1933:170, fig. 35a (head); Fluke, 1915b:19 (redescription), fig. 32 (scutellum). N. COMB.
- FRONTALE (Sack), 1941:107 (1951:103) (*Volucella*). Type-locality: Peru, Tayapampa; Querosbamba, 3520 m.; Lake Titicaca. Distr. — Peru. Types ♂ ♀ MD. N. COMB.
- FULVICORNE (Bigot), 1883b:84 (*Volucella*). Type-locality: "Panama". Distr. — same. Types ♂ ♀ OXF*. N. COMB.
- FULVOLUCENS (Walker), 1852:252 (*Temnocera*). Type-locality: "Brazil". Distr. — same. Type ♂ BM(NH). N. COMB.
- fulvolucus* Williston, 1887a:28 (*Temnocera*), misspelling.
- FULVONOTATUM (Bigot), 1875:476 (*Volucella*). Type-locality: Uruguay, Montevideo. Distr. — same. Type ♀ OXF*. N. COMB.
- FUMIPENNE (Sack), 1941:104 (1951:108) (*Volucella*). Type-locality: Peru, Sivia; Peru; Costa Rica. Distr. — same. Types ♂ ♀ MD & SMF. N. COMB.
- FUMOSUM (Hull), 1943d:32 (*Volucella*). Type-locality: Brazil, Mt. Roraima, 8600 ft. Distr. — same. Type ♀ BM(NH). N. COMB.
- FURENS (Giglio-Tos), 1892c:2 (*Volucella*). Type-locality: "Mexico". Distr. — same. Type ♂ UTOR. N. COMB.
- FUSCIPENNE (Macquart), 1842:84 (24), pl. 4, fig. 2 (habitus) (*Volucella*). Type-locality: "Brazil". Distr. — Brazil, Argentina (Tucumán). Type ♀ MNHN. Ref. — Sack, 1921:136 (description), figs. 9 (larva), 11b (spiracular horn). N. COMB.
- GERTSCHI (Curran), 1939b:15 (*Volucella*). Type-locality: Panama, Chiriquí, El Volcan. Distr. — Guatemala, Panama. Type ♂ AMNH*. N. COMB.
- GIBBERUM (Schiner), 1868:358 (*Temnocera*). Type-locality: "Colombia". Distr. — same. Type ♀ VMNH. Ref. — Curran, 1925b:246 (description ♂). N. COMB.
- GORGON (Hull), 1950c:233 (*Volucella*). Type-locality: Peru, Chanchamayo, 1000 m. Distr. — same. Type ♂ Hull. N. COMB.
- GRANULATUM (Hull), 1944j:50 (*Volucella*). Type-locality: Peru, Río Pichis, Puerto Bermúdez. Distr. — same. Type ♀ CU. N. COMB.
- GUIANICUM (Hine), 1914:338 (*Volucella*). Type-locality: Guyana, Bartica. Distr. — same. Type ♀ OhSU. N. COMB.
- HAAGII (Jaenicke), 1867:397 (*Volucella*). Type-locality: "Mexico". Distr. — U.S.A. (California to Texas), south to Mexico (Oaxaca).

- Types ♀ SMF? Ref. — Williston, 1887b:147 (description), pl. 5, fig. 8 (head). N. COMB.
- hagii*, Williston, 1887b:147, misspelling.
- setigera* Osten Sacken, 1877:334 (*Temnocera*). Type-locality: U.S.A., New Mexico, Vermejo River. Type ♀ MCZ.
- HAMBLETONI (Fluke), 1951b:16, figs. 16 (head), 41 (antenna), 57 (male genitalia) (*Volucella*). Type-locality: Peru, Cañete. Distr. — Ecuador, Peru. Type ♂ AMNH*. N. COMB.
- HIRTIPES (Macquart), 1850:434 (130), pl. 12, figs. 13 (scutellum), 13a (hind leg) (*Volucella*). Type-locality: Bolivia, Yungas. Distr. — Colombia, Brazil, Bolivia, Argentina (Misiones). Type ♂ MNHN. N. COMB.
- HORTICOLE (Hull), 1943d:21 (*Volucella*). Type-locality: Brazil, Amazon. Distr. — same. Type ♀ BM(NH). N. COMB.
- HORVATHI (Szilády), 1926:610, fig. 18 (habitus) (*Graptomyza*). Type-locality: "Cuba". Distr. — same. Type ♀ DEI. N. COMB.
- HYALINIPENNE (Hull), 1944f:36 (*Volucella*). Type-locality: "Brazil". Distr. — same. Type ♂ Hull. N. COMB.
- HYALOPTERUM (Giglio-Tos), 1892c:3 (*Volucella*). Type-locality: Mexico, Tampico. Distr. — same. Type ♀ UTOR. N. COMB.
- HYDROFENESTRA (Hull), 1943n:513 (*Volucella*). Type-locality: Colombia, Muzo. Distr. — same. Type ♀ Hull. N. COMB.
- HYSTRIX (Giglio-Tos), 1892c:4 (*Volucella*). Type-locality: Mexico, Tuxpango. Distr. — same. Type ♂ UTOR. N. COMB.
- IMITANS (Curran), 1926a:63 (*Volucella*). Type-locality: Mexico. Distr. — same. Type ♂ AMNH*. N. COMB.
- IMPRESSUM (Hull), 1949f:30 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ Hull. N. COMB.
- INCOMMODUM (Knab), 1916a:93 (*Volucella*). Type-locality: Panama, Canal Zone, Ancón. Distr. — same. Types ♂ ♀ USNM. N. COMB.
- INCONSISTENS (Curran), 1939b:3 (*Volucella*). Type-locality: Brazil, Mt. Roraima, 5400 ft. Distr. — Costa Rica, Brazil. Type ♀ AMNH*. N. COMB.
- INQUISITOR (Hull), 1943d:26 (*Volucella*). Type-locality: Central America. Distr. — Mexico, Central America. Type ♂ BM(NH). N. COMB.
- INTEGRUM (Walker), 1857:155 (*Temnocera*). Type-locality: "Valley of Amazon". Distr. — same. Type ? BM(NH). N. COMB.
- INTONA (Curran), 1928b:22 (*Volucella*). Type-locality: Jamaica, Gordon Town. Distr. — same. Type ♀ BM(NH). N. COMB.
- ISABELLINA (Williston), 1887b:140 (*Volucella*). Type-locality: U.S.A., Arizona. Distr. — U.S.A. (California to Colorado), south to Mexico (Sonora). Type ♀ USNM. N. COMB.
- JOHNSONI (Curran), 1925b:249 (*Phalacromyia*). Type-locality: Venezuela, Caura Valley. Distr. — same. Type ♂ MCZ. N. COMB.
- KAHLI (Hull), 1938:122, fig. 5 (abdomen) (*Volucella*). Type-locality: French Guiana, Mana River. Distr. — same. Type ♀ CM. N. COMB.
- LACTICOERULEUM (Hull), 1944f:35 (*Volucella*). Type-locality: Brazil, São Paulo, Praia Grande do Rio Feio, Penápolis. Distr. — same. Type ♂ Hull. N. COMB.
- LANEI (Curran), 1936b:11 (*Volucella*). Type-locality: Brazil, São Paulo, Juquiá. Distr. — Brazil (São Paulo, Santa Catarina). Type ♂ AMNH*. N. COMB.
- LATEVITTATUM (Curran), 1939b:16 (*Volucella*). Type-locality: Colombia, between Querebral and Buenaventura. Distr. — Colombia, Peru, Bolivia. Type ♂ AMNH*. N. COMB.



- LATUM (Wiedemann), 1830:195 (*Volucella*). Type-locality: Mexico, Oaxaca. Distr. — Mexico. Type ♀ ZMB. N. COMB.
- lacta*, Bigot, 1883b:76, misspelling.
- LIMBIPENNE Williston, 1887b:152. Type-locality: Mexico, Isthmus of Tehuantepec. Distr. — U.S.A. (Texas), Mexico. Type ♀ USNM. Ref. — Williston, 1891:pl. 2:2 (habitus), 2a (head), 2b (antenna). N. COMB.
- lucasana* Townsend, 1895b:615 (*Volucella*). Type-locality: Mexico, Baja California, El Taste. Type ♀ CAS [destroyed].
- lucana*, Townsend, 1895a:44, misspelling.
- LIRIOPE (Hull), 1949f:28 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ Hull. N. COMB.
- LUCILIA (Hull), 1950a:65 (*Volucella*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ Hull. N. COMB.
- LUGENS (Wiedemann), 1830:206 (*Volucella*). Type-locality: "Brazil". Distr. — Guatemala, Brazil. Type ♀ VMNH. Ref. — Curran, 1926a:65 (redescription). N. COMB.
- LUMINA (Hull), 1937a:168, fig. 8 (abdomen) (*Volucella*). Type-locality: Bolivia, Ramupasa. Distr. — same. Type ♀ USNM. N. COMB.
- LUNULIFERUM (Hull), 1937a:167 (*Volucella*). Type-locality: Peru, Iquitos. Distr. — same. Type ♂ USNM. N. COMB.
- MACQUARTI (Curran), 1926a:60 (*Volucella*). Type-locality: Honduras, Prieta. Distr. — Mexico, Honduras, Trinidad, Guyana, Brazil, Peru, Bolivia. Type ♀ AMNH*. N. COMB.
- MACROCEPHALUM (Giglio-Tos), 1892e:45 (*Camerania*). Type-locality: "Mexico". Distr. — U.S.A. (Arizona), Mexico. Type ♂ UTOR. N. COMB.
- MACRORHINUM (Bigot), 1875:474 (*Volucella*). Type-locality: "Brazil". Distr. — same. Type ♂ OXF. N. COMB.
- MACULA (Wiedemann), 1830:200 (*Volucella*). Type-locality: "Brazil". Distr. — Mexico (Tabasco), Guyana, Brazil (Mato Grosso). Types ♂ ♀ VMNH. N. COMB.
- MACULOIDES (Curran), 1939b:10 (*Volucella*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♂ AMNH. N. COMB.
- MARCELI (Curran), 1939b:7 (*Volucella*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ AMNH. N. COMB.
- MARGINATUM (Say), 1830:167 (*Volucella*). Type-locality: Mexico. Distr. — U.S.A. (California to Colorado), south to Mexico. Type ? Lost. Ref. — Williston, 1887b:151 (description), pl. 7:1 (wing), 1a (head), 1b (antenna); Curran, 1925a:206, pl. 10:146 (male genitalia).
- distinctum* Giglio-Tos, 1892e:41, fig. 15 (abdomen). Type-locality: Mexico, Tehuacán. Types ♂ ♀ UTOR.
- fax* Townsend, 1895a:42 (*Volucella*). Type-locality: U.S.A., Colorado, Fort Collins. Type ♂ ?
- inops* Townsend, 1895a:43 (*Volucella*). Type-locality: U.S.A., Colorado, Fort Collins. Type ♀ UK.
- toltec* Townsend, 1895a:45 (*Volucella*). Type-locality: Mexico, Guajalajara. Type ♂ ?
- tolteca*, Townsend, 1895d:6, misspelling.
- estebana* Townsend, 1895b:612 (*Volucella*). Type-locality: Mexico, Baja California, San Esteban. Types ♂ ♀ CAS [destroyed].
- sodomis* Townsend, 1895b:616 (*Volucella*). Type-locality: Mexico, Baja California, El Taste. Types ♂ CAS [destroyed].
- MEGACEPHALUM (Loew), 1863:305 (1864b:189) (*Temnocera*). Type-locality: U.S.A., California. Distr. — U.S.A. (California), Mexico. Type ♀

- MCZ. Ref. — Williston, 1887b:146 (description). N. COMB.
- MELLEUM (Jaennicke), 1867:396 (*Volucella*). Type-locality: "Mexico". Distr. — Mexico (Guanajuato, Distrito Federal). Types ♂ ♀ SMF. N. COMB.
- MERETRICIAS (Williston), 1888:272 (*Volucella*). Type-locality: Brazil, Mato Grosso, Chapada; Rio de Janeiro. Distr. — Brazil (Rio de Janeiro, Santa Catarina, Mato Grosso), Argentina (Misiones). Types ♂ ♀ AMNH*. N. COMB.
- METALLIFERUM (Walker), p.p., 1849:636 (*Volucella*). Type-locality: Mexico [specimen from Venezuela under *dispar* Macquart(q.v.)]. Distr. — U.S.A. (California to Texas), south to Mexico (Yucatán). Type ♀ BM(NH). Ref. — Curran, 1925a:206, pl. 10:143 (male genitalia); Curran, 1953:7 (revision). N. COMB.
- violaceum* Say, 1830:166 (*Volucella*; preocc. Lepeletier & Serville, 1825). Type-locality: "Mexico". Type(s) ♂ lost.
- maximiliani* Jaennicke, 1867:395 (*Volucella*). Type-locality: "Mexico". Types ♂ ♀ SMF.
- METALLORUM (Walker), 1852:252 (*Temnocera*). Type-locality: Brazil, Pará. Distr. — same. Type ♂ BM(NH). N. COMB.
- MEXICANUM (Macquart), 1842:85 (25), pl. 5, figs. 3 (habitus), 3a (head) (*Volucella*). Type-locality: "Mexico". Distr. — U.S.A. (California to Georgia, south to Mexico (Yucatán). Type ♀ MNHN*. Ref. — Williston, 1887b:137 (redescription), pl. 6, figs. 5 (wing), 5a (head). N. COMB.
- nigrum* Greene, 1923:165 (*Volucella*). Type-locality: U.S.A., florida, Miami. Type ♂ USNM*. N. SYN.
- MINIMUM (Giglio-Tos), 1892c:3 (*Volucella*). Type-locality: Mexico, Orizaba. Distr. — same. Type ♂ UTOR. N. COMB.
- MISSIONERA (Lynch Arribáizaga), 1892b:183 (1892c:134) (*Volucella*). Type-locality: Uruguay, Misiones. Distr. — same. Type ♀ MACN. N. COMB.
- MOCANUM (Curran), 1936b:11 (*Volucella*). Type-locality: Guatemala, Moca Guatalón. Distr. — Guatemala, Peru, Venezuela. Type ♀ AMNH*. N. COMB.
- MORPHO (Curran), 1939b:2 (*Volucella*). Type-locality: Brazil, Pernambuco. Distr. — same. Type ♀ AMNH*. N. COMB.
- MUS (Williston), 1888:274 (*Volucella*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (Mato Grosso), Peru, Argentina (Tucumán). Types ♂ ♀ AMNH*. Ref. — Sack, 1921:137, figs. 10 (puparium), 11c (spiracular horn). N. COMB.
- MUSANUM (Curran), 1930d:16 (*Volucella*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ AMNH*. N. COMB.
- MUSCARIUM (Thomson), 1869:493 (*Haurottricha*). Type-locality: Argentina, Buenos Aires. Distr. — Colombia, Argentina. Type ♀ NRS*. N. COMB.
- argentina* Bigot, 1883b:83 (*Phalachromyia*). Type-locality: Argentina, Buenos Aires. Type ♂ BM(NH).
- MUSICANUM (Curran), 1930d:15 (*Volucella*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♂ AMNH*. N. COMB.
- MUSTOIDES (Curran), 1927c:84 (*Volucella*). Type-locality: Honduras, Prieta. Distr. — same. Type ♂ AMNH*. N. COMB.
- NASICUM (Williston), 1891:55, pl. 2:1 (habitus), 1a (head), 1b (antenna) (*Ophromyia*). Type-locality: Mexico, Guerrero, Acaguizotla. Distr. — Mexico. Types ♂ BM(NH). Ref. — Hull, 1949d:349, fig. 20e, 20g (head). N. COMB.

- NAUTLANUM (Townsend), 1897b:28 (*Volucella*). Type-locality: Mexico, Vera Cruz, Río Nautla, San Rafael. Distr. — same. Types ♂ BM(NH). N. COMB.
- NEOSPLENDENS Thompson (nom. nov. for *splendens* Hull). Distr. — Brazil (Santa Catarina). NOM. NOV.
- splendens* Hull, 1949f:26 (*Volucella*; preocc. Townsend, 1897). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ Hull. Ref. — Fluke, 1951b:27 (descriptive note).
- NEOTROPICUM Thompson (nom. nov. for *vesiculosum* Fabricius, 1805). Distr. — South America. NOM. NOV.
- vesiculosum* Fabricius, 1805:226 (*Syrphus*; preocc. Fabricius, 1794). Type-locality: "America meridionali". Type ? MC.
- NIGRIFACIES (Bigot), 1875:479 (*Volucella*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH). N. COMB.
- NIGRIFRONS (Hine), 1914:340 (*Phalacromyia*). Type-locality: Guyana, Bar-tica. Distr. — same. Type ♀ OhSU. N. COMB.
- NIGRIPES (Bigot), 1857a:296, pl. 7:9 (head) (*Phalacromyia*). Type-locality: "Chile". Distr. — Peru, Chile. Type ♂ OXF*. N. COMB.
- concolor* Philippi, 1865:735 (*Phalacromyia*). Type-locality: Chile, Prov. Santiago. Type(s) ? MNHNS. N. SYN.
- NIGROPODUM (Hull), 1949f:35 (*Volucella*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull. N. COMB.
- NIGROVIRIDE (Hull), 1949h:37 (*Volucella*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull. N. COMB.
- NITIDIGASTER (Hull), 1937a:165 (*Volucella*). Type-locality: Argentina, Tucumán, Villa Nogués. Distr. — same. Type ♂ USNM. N. COMB.
- NOTATUM (Bigot), 1875:475 (*Volucella*). Type-locality: Uruguay, Montevideo. Distr. — same. Types ♂ ♀ OXF*. N. COMB.
- OBLIQUICORNE (Curran), 1939b:12 (*Volucella*). Type-locality: Guyana, Tu-matumari. Distr. — same. Type ♂ AMNH*. N. COMB.
- OBSCURIPENNE (Lynch Arribáizaga), 1892b:180 (1892c:130 (*Volucella*)). Type-locality: Argentina, Misiones, Monteagudo. Type ? MACN. N. COMB.
- OBSCURIUS (Curran), 1939b:5 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Tucumán, La Rioja). Type ♂ AMNH. N. COMB.
- OESTROIDES (Hull), 1943d:23 (*Volucella*). Type-locality: Brazil, Rio de Janeiro. Distr. — same. Type ♂ BM(NH). N. COMB.
- OMOCHROMA (Giglio-Tos), 1892c:2 (*Volucella*). Type-locality: "Mexico". Distr. — same. Type ♀ UTOR. N. COMB.
- OPALICOLOR (Hull), 1943d:36 (*Volucella*). Type-locality: Bolivia, Prov. Sara, Santa Cruz de la Sierra. Distr. — same. Type ♀ BM(NH). N. COMB.
- OPEOSTOMA (Hull), 1949h:32 (*Volucella*). Type-locality: Panama, Chiriquí, Volcán, Bambito. Distr. — same. Type ♀ Hull. N. COMB.
- OPINATOR (Williston), 1891:51, pl. 1:14 (habitus), 14a (head), 14b (an-tenna) (*Volucella*). Type-locality: Mexico, Vera Cruz, Atoyac. Distr. — same. Type ♀ BM(NH). N. COMB.
- ORNATUM (Williston), 1891:49 (*Volucella*). Type-locality: Mexico, Jalapa. Distr. — same. Types ♂ BM(NH) + AMNH*. N. COMB.
- hispida* Giglio-Tos, 1892c:4 (*Volucella*). Type-locality: Mexico, Ori-zaba. Type ♂ UTOR.
- OSBURNI (Hull), 1942a:92 (*Volucella*). Type-locality: Paraguay, Villarica. Distr. — Paraguay, Argentina (Tucumán). Type ♂ MCZ*. N. COMB.

- PACHECOI (Curran), 1939b:13 (*Volucella*). Type-locality: Guatemala. Distr. — same. Type ♀ AMNH*. N. COMB.
- PALLENS (Wiedemann), 1830:204 (*Volucella*). Type-locality: "Brazil". Distr. — U.S.A. (Arizona to North Carolina), south to Argentina and Brazil. Types ♀ VMNH + SMF*. Ref. — Williston, 1887b:141 (redescription), pl. 6:2 (wing); Sack, 1921:137, fig. 11a (spiracular horn). N. COMB.
- sexmaculatum* Palisot de Beauvois, 1819:224, pl. 3:8 (habitus) (*Syrphus*). Type-locality: Dominican Republic, Santo Domingo, Southern U.S.A. Types ? ? N. SYN. [*nomen oblitum*].
- testaceum* Rondani, 1848:67 (*Volucella*). Type-locality: Brazil. Type ♀ MIZUN.
- sexpunctatum* Loew, 1861:38 (*Volucella*). Type-locality: "Cuba". Type ♀ MCZ.
- var. QUADRIPUNCTATUM (Doesburg), 1963:17, 30. Type-locality: Surinam, Paramaribo. Distr. — same. Type ♂ Doesburg.
- PALLIDITHORAX (Hull), 1941g:156, fig. 8 (mesonotum) (*Volucella*). Type-locality: Honduras, Rosario Mires. Distr. — same. Type ♀ MCZ*. N. COMB.
- PALLIDUM (Macquart), 1842:86 (26) (*Volucella*). Type-locality: "Guyana". Distr. — same. Type ♂ MNHN*. N. COMB.
- PALLISTERI (Curran), 1953:9 (*Volucella*). Type-locality: Mexico, Distrito Federal, Tlalpán. Distr. — same. Type ♂ AMNH*. N. COMB.
- PALMYRA (Hull), 1949f:33 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ Hull. N. COMB.
- PANAMENSE (Curran), 1930d:17 (*Volucella*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — Panama. Type ♂ AMNH*. N. COMB.
- PANAMENUM (Curran), 1939b:12 (*Volucella*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — Panama, Peru. Type ♂ AMNH*. N. COMB.
- PARANA (Hull), 1942h:23 (*Volucella*). Type-locality: Brazil, Paraná. Distr. — same. Type ♂ Hull. N. COMB.
- PARINA (Fluke), 1951b:25, figs. 14 (head), 61 (male genitalia) (*Volucella*). Type-locality: Chile, Arica, Parinacota. Distr. — same. Type ♂ UCSC. N. COMB.
- PARVUM (Rondani), 1848:66 (*Volucella*). Type-locality: "Brazil". Distr. — same. Type ♀ MIZUN. N. COMB.
- PECTORALE (Rondani), 1863:3 (*Volucella*). Type-locality: "America meridional.". Distr. — same. Types ♂ ♀ MIZUN. N. COMB.
- PERLATUM (Hine), 1914:339 (*Volucella*). Type-locality: Guatemala, Los Amates. Distr. — same. Type ♂ OhSU. N. COMB.
- PERSIMILE (Williston), 1888:273 (*Volucella*). Type-locality: Brazil, Destares (?); Mato Grosso, Chapada; Rio de Janeiro. Distr. — same. Types ♂ ♀ AMNH*. N. COMB.
- PERTINAX (Hull), 1950a:67 (*Volucella*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ Hull.
- PERUVIANUM (Vimmer & Soukup), 1938:28 (*Volucella*). Type-locality: Peru, Puno. Distr. — same. Type ♂ NMPP*. N. COMB.
- PICA (Schiner), 1868:355 (*Phalocromyia*). Type-locality: Colombia. Distr. — Mexico (Veracruz), Colombia, Venezuela. Types ♂ ♀ VMNH. N. COMB.
- pictum* Schiner, 1868:pl. 4:6a + b (habitus) (*Phalacromyia*; preocc. Wiedemann, 1830), incorrect original spelling of *pica*.
- PICTOIDES (Hull), 1941e:280 (*Volucella*). Type-locality: Cuba, Havana. Distr. — same. Type ♀ Hull. N. COMB.



- PICTUM (Wiedemann), 1830:201 (*Volucella*). Type-locality: "Brazil". Distr. — Mexico (Guerrero, Veracruz, Yucatán), Cuba, Panama, Brazil (Mato Grosso, Santa Catarina), Argentina (Tucumán). Types ♂ ♀ VMNH. Ref. — Curran, 1925a:206, pl. 10:145 (male genitalia); Doesburg, 1966:96, fig. 66 (habitus). N. COMB.
- PICTURATUM (Lynch Arribáizaga), 1892b:184 (1892c:135) (*Volucella*). Type-locality: Argentina, Misiones, Picada de Paggi. Distr. — same. Types ♀ MACN. N. COMB.
- PINKUSI (Curran), 1938:1 (*Volucella*). Type-locality: Trinidad, St. Anne. Distr. — same. Type ♂ AMNH*. N. COMB.
- PLACIVUM (Hull), 1943d:30 (*Volucella*). Type-locality: Ecuador, Santa Inez. Distr. — same. Type ♀ BM(NH). N. COMB.
- PLAUMANNI (Curran), 1939b:4 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Salta). Type ♂ AMNS*. N. COMB.
- PLORANS (Rondani), 1848:65 (*Volucella*). Type-locality: "Brazil". Distr. — same. Type ♂ MIZUN. N. COMB.
- polorans*, Williston, 1886:317, misspelling.
- POSTICUM (Say), 1830:166 (*Volucella*). Type-locality: "Mexico". Distr. — U.S.A. (California to Colorado), south to Mexico. Type ♂ lost. N. COMB.
- castanea* Bigot, 1875:476 (*Volucella*). Type-locality: Mexico, Oaxaca. Type ♂ OXF*.
- var. *PALLIDIUS* (Giglio-Tos), 1892c:50 (*Volucella*). Type-locality: Mexico, Tehuacan. Type ♀ UTOR.
- PRASINUS (Schiner), 1868:354 (*Phalacromyia*). Type-locality: "South America". Distr. — same. Types ♂ ♀ VMNH. N. COMB.
- PRESCUTELLARE (Williston), 1888:273 (*Volucella*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (Mato Grosso), Argentina (Misiones). Types ♂ ♀ AMNH*. N. COMB.
- PROCTERI (Curran), 1939b:9 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. N. COMB.
- PUBESCENS (Loew), 1861:38 (*Temnocera*). Type-locality: "Cuba". Distr. — same. Type ♀ MCZ? Ref. — Williston, 1887b:148 (redescription). N. COMB.
- PULCHRAPUELLA (Hull), 1943d:33 (*Volucella*). Type-locality: Jamaica, Kingston. Distr. — same. Type ♂ BM(NH). N. COMB.
- PULCHRIPES (Bigot), 1875:480 (*Volucella*). Type-locality: "Mexico". Distr. — same. Type ♂ OXF*. N. COMB.
- PULCHRUM (Williston), 1891:41 (*Phalacromyia*). Type-locality: Costa Rica, Río Sucio. Distr. — same. Type ♂ ♀ BM(NH). N. COMB.
- PUNCTIFERUM (Bigot), 1875:475 (*Volucella*). Type-locality: "Amazonia". Distr. — Colombia. Type ♂ BM(NH). N. COMB.
- PUNCTIGENA (Hull), 1937a:165, fig. 6 (abdomen) (*Volucella*). Type-locality: Guatemala, Siquinola. Distr. — same. Type ♀ USNM. N. COMB.
- PURPURASCENS (Loew), 1869:31 (1872b:145) (*Temnocera*). Type-locality: "Haiti". Distr. — same. Type ♂ MCZ (lost). Ref. — Williston, 1887b:148 (redescription). N. COMB.
- watsoni* Curran, 1930f:3 (*Volucella*). Type-locality: Haiti, Port-au-Prince. Type ♂ AMNH*. N. SYN.
- PURPUREUM (Walker), 1849:637 (*Volucella*). Type-locality: Brazil, Pará. Distr. — same. Type ♂ BM(NH). Ref. — Sack, 1921:137 (description), fig. 11d (spiracular horn), 15 (larva). N. COMB.
- PURPURIFERUM (Bigot), 1875:477 (*Volucella*). Type-locality: Mexico, Oaxaca. Distr. — same. Type ♂ OXF*. N. COMB.

- FUSILLUM** (Macquart), 1842:81 (21), pl. 5, figs. 1 (habitus), 1a (head) (*Volucella*). Type-locality: "Cuba". Distr. — U.S.A. (Texas to Florida); Cuba. Type ♀ [Lille?]. Ref. — Williston, 1887b:144 (redescription), pl. 6:3 (wing), 3a (head). N. COMB.
- QUADRATUM** (Williston), 1891:46, pl. 1:12 (habitus), 12a (head), 12b (antenna) (*Volucella*). Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — U.S.A. (Arizona), Mexico (Guerrero). Type ♀ BM(NH). N. COMB.
- RAFAELANUM** (Townsend), 1897b:28 (*Volucella*). Type-locality: Mexico, Veracruz, Río Nautla, San Rafael. Distr. — same. Type ♀ BM(NH). N. COMB.
- RECTUM** (Wulp), 1882:125 (*Temnocera*). Type-locality: "Argentina". Distr. — Argentina (Tucumán, Salta). Types ♂ ♀ lost?. Ref. — Fluke, 1951b:7 (description), figs. 1 (head), 49 (male genitalia). N. COMB.
- RHEA** (Hull), 1950c:232 (*Volucella*). Type-locality: Peru, Matucana. Distr. — same. Type ♂ Hull. N. COMB.
- ROBUSTUM** (Sack), 1941:109 (1951:105) (*Temnocera*). Type-locality: Peru, Ocaña, 2600 m. Distr. — same. Types ♂ ♀ HZM. N. COMB.
- RORAIMA** (Curran), 1939b:3 (*Volucella*). Type-locality: Brazil, Mt. Roraima, 6900 ft. Distr. — same. Type ♂ AMNH*. N. COMB.
- RCSA** (Curran), 1939b:7 (*Volucella*). Type-locality: Peru, Middle Río Ucayali. Distr. — same. Type ♂ AMNH*. N. COMB.
- ROSPIGLOSII** (Brèthes), 1920:31 [also 1937:ii] (*Volucella*). Type-locality: Peru, Chanchamayo region. Type ? MACN. N. COMB.
- RUFITARSE** Thompson (nom. nov. for *tibiale* Shannon). Distr. — Brazil (Santa Catarina), Argentina (Misiones). NOM. NOV.
- tibiale* Shannon, 1929:575 (*Volucella*; preocc. Macquart, 1846). Type-locality: Argentina, Misiones. Type ♀ MACN.
- RUFOSCUTELLARE** (Philippi), 1865:735 (*Phalacromyia*). Type-locality: Chile, prov. Santiago. Distr. — Chile (Aconcagua, Santiago). Type ? MNHNS. N. COMB.
- RURALE** (Curran), 1939b:2 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.
- SALTI** Dobrosky, in Curran, 1930d:3. Type-locality: Colombia, Santa Maria. Distr. — same. Type ♂ AMNH*.
- SAPHIRINUM** (Bigot), 1883b:85 (*Volucella*). Type-locality: "Chile". Distr. — Chile (Valparaíso — Curicó). Types ♂ ♀ BM(NH). N. COMB.
- sapphirina*, Shannon & Aubertin, 1933:168, emend.
- SAPPHO** (Hull), 1949h:34 (*Volucella*). Type-locality: Panama, Canal Zone, Summit. Distr. — Panama. Type ♂ Hull. N. COMB.
- SCHWARZI** Curran, 1935:4. Type-locality: "Venezuela, Curaçao". Distr. — same. Type ♀ AMNH*. N. COMB.
- SCINTILANS** (Hull), 1949f:39 (*Volucella*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull. N. COMB.
- SCUTELLATUM** (Macquart), 1842:85 (25), pl. 6, figs. 2 (habitus), 2a (head), 2b (scutellum) (*Volucella*). Type-locality: "Chile". Distr. — Brazil (Mato Grosso), Peru (Lima), Chile (Tarapacá — Santiago). Type ♀ MNHN*. Ref. — Fluke, 1951b:4 (redescription), figs. 18 (wing tip), 21 (scutellum), 36 (antenna), 47 (male genitalia). N. COMB.
- andicolum* Bigot, 1884a:548 (*Temnocera*). Type-locality: "Chile". Type ♂ BM(NH).
- SELECTUM** (Curran), 1939b:15 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.

- SEPIA (Hull), 1943d:25 (*Volucella*). Type-locality: "Central America". Distr. — same. Type ♂ BM(NH). N. COMB.
- SHANNONI Thompson (nom. nov. for *salti* Curran). Distr. — Colombia. NOM. NOV.
- salti* Curran, 1930d:12 (*Volucella*; preocc. Dobrosky, 1930). Type-locality: Colombia, Río Frio, Magdalena. Type ♂ AMNH*.
- SICA (Curran), 1953:9 (*Volucella*). Type-locality: Ecuador, Tungurahua, Baños. Distr. — same. Type ♂ AMNH*. N. COMB.
- SIMILE (Giglio-Tos), 1892c:2. Type-locality: Mexico, Tehuacán & Mezquillán. Distr. — U.S.A. (Arizona, New Mexico), Mexico. Types ♂ & ♀ UTOR*.
- parvum* Giglio-Tos, 1892c2 (preocc. Rondani, 1848). Type-locality: Mexico, Tehuacán. Types ♂ & ♀ UTOR [not found — JRV].
- SMITHAE (Thompson), 1965:61 (*Lepidosis*). Type-locality: Argentina, La Rioja, Mascasin. Distr. — Argentina (La Rioja). Type ♂ Thompson*. N. COMB.
- SOROR (Bigot), 1883b:83 (*Phalacromyia*). Type-locality: Argentina, Buenos Aires. Distr. — same. Type ♀ (BM(NH)). N. COMB.
- SOUKUPII (Vimmer & Soukup), 1938:29 (*Volucella*). Type-locality: Peru, Puno. Distr. — same. Type ♂ NMPP*. N. COMB.
- SPECTRALE (Hull), 1942h:21 (*Volucella*). Type-locality: "Brazil". Distr. — same. Type ♀ Hull. N. COMB.
- SPINIGERUM (Wiedemann), 1830:197 (*Volucella*). Type-locality: Uruguay, Montevideo. Distr. — Uruguay, Argentina (Tucumán, Buenos Aires, Santa Fé, Salta, Chaco, Formosa, Córdoba). Types ♂ & ♀ VMNH & AMNH*. Ref. — Shannon & Aubertin, 1933:170, fig. 35b (head); Fluke, 1951b:18 (redescription), figs. 11 (head), 20 (wing tip), 31 (scutellum), 42 (antenna), 58 (male genitalia). N. COMB.
- fulvicorne* Bigot, 1884a:547 (*Temnocera*?; preocc. Bigot, 1883). Type-locality: Argentina, Buenos Aires. Types ♂ & ♀ BM(NH).
- SPINITHORAX (Lynch Arribáizaga), 1892b:190 (1892c:141) (*Temnocera*). Type-locality: Argentina, Chaco, Colonia Azara. Distr. — Brazil (São Paulo, Santa Catarina, Paraná), Paraguay, Argentina. Type ♀ MACN. Ref. — Fluke, 1951b:20 (redescription), figs. 33 (scutellum), 59 (male genitalia). N. COMB.
- var. NOVUM (Fluke), 1951b:22 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♀ AMNH.
- SPLENDENS (Townsend), 1897b:29 (*Volucella*; as var. of *opalina*). Type-locality: Mexico, Veracruz, Río Nautla, San Rafael. Distr. — same. Types ♀ BM(NH). N. COMB.
- var. TOWNSENDI (Goot), 1964:214 (nom. nov. for *opalina* Townsend). Distr. — Mexico (Vera Cruz).
- opalina* Townsend, 1897b:29 (*Volucella*; preocc. Wiedemann, 1830). Type-locality: Mexico, Veracruz, Río Nautla, San Rafael. Types ♂ & ♀ BM(NH).
- SQUAMIGERUM (Curran), 1925c:348 (*Volucella*). Type-locality: Peru, Río Pichis, Puerto Bermúdez. Distr. — same. Type ♂ CU. N. COMB.
- STERNALE (Curran), 1930d:20 (*Volucella*). Type-locality: Mexico, Baja California Sur, San José del Cabo. Distr. — U.S.A. (Arizona), Mexico (Baja California Sur). Type ♂ AMNH*. N. COMB.
- STIGMATUM (Hull), 1949f:37 (*Volucella*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♀ Hull. N. COMB.
- SUBCOERULEUM (Rondani), 1863:3 (*Phalacromyia*). Type-locality: "America meridionalis". Distr. — same. Type ♂ MIZUN. N. COMB.
- SUBLATUM (Fluke), 1950b:451, figs. 17 (head), 18 (male genitalia) (*Volu-*

- cella*). Type-locality: Chile, Arica, Putre, 3650 m. Distr. — Argentina (Jujuy), Chile (Tarapacá). Type ♂ UCSC. N. COMB.
- SUBMETALLICUM (Rondani), 1848:67 (*Phalacromyia*). Type-locality: "Brazil". Distr. — same. Type ♀ MIZUN. N. COMB.
- SUBROSTRATUM (Rondani), 1848:68 (*Phalacromyia*). Type-locality: "Brazil". Distr. — Brazil, Mexico? Type ♂ MIZUN. N. COMB.
- ?*triste* Bigot, 1875:482 (*Volucella*). Type-locality: "Mexico". Type ♀ OXF*.
- ?*melanorhina* Bigot, 1883b:86 (*Phalacromyia*). Type-locality: "Mexico". Type ♀ BM(NH).
- SULTZI (Curran), 1939b:7 (*Volucella*). Type-locality: Brazil, São Paulo, Alto da Serra (=Paranapiacaba). Distr. — same. Type ♂ AMNH*. N. COMB.
- TAMAULIPANUM (Townsend), 1898b:51 (*Volucella*). Type-locality: U.S.A., Texas, near Brownsville. Distr. — U.S.A. (Texas, Louisiana), south to Mexico (Yucatán); Hawaii [immigrant]. Types ♂ ♀ BM(NH). N. COMB.
- timberlakei* Curran, 1926a:63 (*Volucella*). Type-locality: U.S.A., Texas. Type ♂ CNC*.
- femina* Curran, 1930f:4 (*Volucella*). Type-locality: Mexico, Yucatán, Chichén Itzá. Type ♀ AMNH*.
- TATEI (Curran), 1930d:21 (*Volucella*). Type-locality: Venezuela, Mt. Duida. Distr. — same. Type ♀ AMNH*. N. COMB.
- TAU (Bigot), 1883b:84 (*Volucella*). Type-locality: "Mexico". Distr. — U.S.A. (Oregon to Colorado), south to Mexico. Type ♀ BM(NH). Ref. — Williston, 1887b:143 (redescription), pl. 6:13 (antenna). N. COMB.
- TEFFERA (Curran), 1939b:9 (*Volucella*). Type-locality: Brazil, Amazonas, Tefé. Distr. — same. Type ♀ AMNH*. N. COMB.
- TIBIALE (Macquart), 1846:251 (123) (*Volucella*). Type-locality: Mexico, Yucatán, Merida. Distr. — same. Type ♀ MNHN? [not found — JRV]. N. COMB.
- TRICINCTUM (Bigot), 1875:477 (*Volucella*). Type-locality: Mexico, Oaxaca. Distr. — U.S.A. (Texas), Mexico, Honduras, Guatemala, Costa Rica, Brazil, Argentina (Tucumán, Salta, Misiones); Hawaii [immigrant]. Type ♀ OXF*. N. COMB.
- hoya* Curran, 1947b:1 (*Volucella*). Type-locality: Hawaii, Oahu, Honolulu. Type ♂ AMNH*.
- TRIFASCIUM (Walker), 1857:154 (*Temnocera*). Type-locality: "Valley of Amazon". Distr. — same. Type ? BM(NH). N. COMB.
- TRIGONUM (Giglio-Tos), 1892c:3 (*Volucella*). Type-locality: Mexico, Orizaba. Distr. — same. Types ♂ UTOR. N. COMB.
- TRIPUNCTATUM (Hull), 1949f:31 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ Hull. N. COMB.
- TRITUBERCULATUM Thompson (nom. nov. for *scutellatum* Williston). Distr. — Brazil, Argentina (Misiones). NOM. NOV.
- scutellatum* Williston, 1888:277 (*Apophysophora*; preocc. Macquart, 1842). Type-locality: Brazil, Mato Grosso, Chapada. Types ♂ ♀ AMNH*.
- TUMICEPHALUM (Hull), 1943d:35 (*Volucella*). Type-locality: "Peru". Distr. — same. Type ♂ BM(NH). N. COMB.
- TYMPANITIS (Fabricius), 1805:226 (*Syrphus*). Type-locality: "America meridionali". Distr. — Mexico, Guatemala, Costa Rica, Panama, Venezuela, Peru, Brazil. Types ♂ ♀ MC*. N. COMB.
- ardua* Wiedemann, 1830:204 (*Volucella*). Type-locality: Surinam. Types ♀ ZMB & VMNH.



- ULRICA (Hull), 1950a:68 (*Volucella*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ Hull. N. COMB.
- UNICOLOR (Curran), 1925c:347 (*Volucella*). Type-locality: Venezuela, C. Bolivar. Distr. — same. Type ♂ MCZ. N. COMB.
- UNILECTUM (Walker), 1860:292 (*Temnocera*). Type-locality: "Mexico". Distr. — same. Type ♀ BM(NH). N. COMB.
- UNIPUNTATUM (Curran), 1926a:63 (*Volucella*). Type-locality: West Indies, Desecheo? Island. Distr. — U.S.A. (Texas? [Wirth et al., 1965: 602]); Puerto Rico. Type ♂ AMNH*. N. COMB.
- VACUM (Fabricius), 1775:763 (*Syrphus*). Type-locality: "America". Distr. — Jamaica. Type ? ?. Ref. — Townsend, 1895a:46 (redescription). N. COMB.
- VAGOIDES (Curran), 1927c:86 (*Volucella*). Type-locality: Costa Rica, San José. Distr. — Guatemala, Costa Rica. Type ♀ UK [Byers, et al., 1962]. N. COMB.
- VAGUM (Wiedemann), 1830:205 (*Volucella*). Type-locality: "Brazil". Distr. — Mexico, Guyana, Peru, Brazil (Mato Grosso). Types ♂ VMNH & SMF*. N. COMB.
- viridula* Bigot, 1875:481 (*Volucella*; preocc. Walker, 1860). Type-locality: "Mexico". Type ♀ OXF*.
- musta* Williston, 1888:274 (*Volucella*). Type-locality: Brazil, Mato Grosso, Chapada. Types ♂ AMNH*.
- VALERIA (Hull), 1944j:48 (*Volucella*). Type-locality: Peru, El Campamiento. Distr. — same. Type ♀ CU. N. COMB.
- VAMPYRUM (Hull), 1942g:96 (*Volucella*). Type-locality: Brazil, Paraná, Paranaguá. Distr. — same. Type ♀ MCZ*. N. COMB.
- VARIANS (Bigot), 1875:481 (*Volucella*). Type-locality: "Mexico". Distr. — same. Type ♀ OXF*. N. COMB.
- VARICHAETUM (Curran), 1925b:250 (*Phalacromyia*). Type-locality: Peru, Río Pichis, Puerto Bermúdez. Distr. — same. Type ♂ CU. N. COMB.
- VARIEGATUM (Bigot), 1875:478 (*Volucella*). Type-locality: "Mexico". Distr. — Mexico, Guatemala. Types ♂ ♀ OXF*. N. COMB.
- comastes* Williston, 1891:52 (*Volucella*). Type-locality: Mexico, Orizaba. Types ♀ BM(NH).
- VENTANA (Fluke), 1951b:9, figs. 4 (head), 23 (scutellum), 37 (antenna), 50 (male genitalia) (*Volucella*). Type-locality: Argentina, Buenos Aires, Tornquist, Cerro de la Ventana. Distr. — same. Type ♂ IML. N. COMB.
- VERA (Hull), 1942g:95 (*Volucella*). Type-locality: Honduras, Lancetilla. Distr. — same. Type ♀ MCZ*. N. COMB.
- VERDIGASTER (Hull), 1943k:41 (*Volucella*). Type-locality: Colombia, Bogotá. Distr. — same. Type ♂ USNM. N. COMB.
- VICINUM (Bigot), 1883b:86 (*Phalachromyia*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH). N. COMB.
- VIERECKI (Curran), 1925b:250 (*Volucella*). Type-locality: Colombia, Vista Nieve. Distr. — same. Type ♀ AMNH*. N. COMB.
- VILLARICA (Fluke), 1951b:23, figs. 12 (head), 62 (male genitalia) (*Volucella*). Type-locality: Paraguay, Villarica. Distr. — Brazil (São Paulo), Paraguay. Type ♀ AMNH*. N. COMB.
- VIOLA (Hull), 1944k:514 (*Volucella*). Type-locality: "Brazil". Distr. — Brazil (São Paulo). Type ♀ Hull. N. COMB.
- VIRESCENS (Williston), 1891:42 (*Phalacromyia*). Type-locality: Guatemala, El Tumbador, 2500 ft. Distr. — same. Type ♀ BM(NH). N. COMB.
- VIRIDANA (Townsend), 1897b:30 (*Volucella*). Type-locality: Mexico, Vera-

- cruz, Río Nautla, San Rafael. Distr. — same. Type ♂ BM(NH). N. COMB.
- VIRIDE (Williston), 1888:275 (*Volucella*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Peru, Brazil (Mato Grosso). Types ♂ ♀ AMNH*. N. COMB.
- VIRIDIGASTER (Hull), 1943k:41 (*Volucella*). Type-locality: Ecuador. Distr. — same. Type ♂ USNM. N. COMB.
- VIRIDULA (Walker), 1860:292 (*Temnocera*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH). N. COMB.
- VIRTUOSA (Hull), 1942g:95 (*Volucella*). Type-locality: Paraguay, Villarrica. Distr. — same. Type ♀ MCZ*. N. COMB.
- VITREA (Hull), 1949h:36 (*Volucella*). Type-locality: Peru, Pucallpa. Distr. — same. Type ♀ Hull. N. COMB.
- VITRIPENNE (Curran), 1930d:9, 1934b:387 (*Volucella*). Type-locality: Guyana, Kartabo. Distr. — same. Type ♀ AMNH*. N. COMB.
- VITTATUM Thompson (nom. nov. for *americanum* Goot). Distr. — Canada (Alberta), east to U.S.A. (New York); south to Mexico. Ref. — Williston, 1887b:145 (redescription), pl. 6:4 (wing); Curran, 1925a:206, pl. 10:140 (male genitalia). NOM. NOV.
- fasciatum* Macquart, 1842:82 (22), pl. 5, fig. 2 (habitus) (*Volucella*; preocc. Herrich-Schaeffer, 1829). Type-locality: U.S.A., "Carolina". Type ♀ MNHN*.
- americanum* Goot, 1964:214 (*Volucella*; nom. nov. for *fasciatum* Macquart, but preocc. Johnson, 1916).
- VITTIFACIUM (Hull), 1943d:18 (*Volucella*). Type-locality: Brazil, Amazon. Distr. — same. Type ♀ BM(NH). N. COMB.
- VOLUCELLOIDES (Bigot), 1884a:548 (*Glaurotricha*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH). N. COMB.
- VOLUCRE (Giglio-Tos), 1892c:4 (*Volucella*). Type-locality: Mexico, Orizaba. Distr. — Mexico (San Luis Potosí, Veracruz). Type ♂ UTOR. N. COMB.
- VULCAN (Hull), 1942g:93 (*Volucella*). Type-locality: Brazil, Santa Catarina, Joinville. Distr. — same. Type ♀ MCZ. N. COMB.
- VULTA (Fluke), 1951b:6 figs. 17 (head), 22 (scutellum), 39 (antenna), 53 (male genitalia) (*Volucella*). Type-locality: Argentina, Salta, Cafayate. Distr. — Peru (Lima), Argentina (Tucumán, Salta). Type ♂ IML. N. COMB.
- WILLINKI (Fluke), 1951b:10, figs. 2 (head), 24 (scutellum), 54 (male genitalia) (*Volucella*). Type-locality: Argentina, Tucumán, Siambón. Distr. — Argentina (Tucumán, Buenos Aires). Type ♂ IML. N. COMB.
- WULPI (Goot), 1964:214 (*Volucella*; nom. nov. for *testaceum* Wulp). Distr. — Venezuela. N. COMB.
- testaceum* Wulp, 1891:203 (*Volucella*; preocc. Rondani, 1848). Type-locality: "Venezuela, Curaçao". Types ♂ ♀ ML? [not found — JRV].
- XIPE (Hull), 1942g:97 (*Volucella*). Type-locality: Panama, Chilibre. Distr. — same. Type ♀ AMNH*. N. COMB.
- YURA (Curran), 1930d:22 (*Volucella*). Type-locality: Peru, Yura. Distr. — same. Type ♀ AMNH*. N. COMB.
- ZEPHYRA (Curran), 1939b:5 (*Volucella*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.



Tribe CALLICERINI

Genus CALLICERA Panzer

- CALLICERA Panzer, 1809:17. Type-species, *Bibio aenea* Fabricius (mon.).
Ref. — Curran, 1935 (key).
POULTONI Verrall, 1913:332. Type-locality: "Mexico". Distr. — same.
Type ♀ BM(NH).

Genus NOTIOCHEILOSA Thompson

- NOTIOCHEILOSA Thompson, 1972:112. Type-species, *Chilosia nitescens* Shannon & Aubertin (orig. des.).
NITESCENS (Shannon & Aubertin), 1933:143 (*Chilosia*). Type-locality: Chile, Ensenada. Distr. — Chile (Santiago-Malleco), Argentina (Patagonia). Type ♂ USNM*.

Tribe SERYCOMYIINI

Genus ARCTOPHILA Schiner

- ARCTOPHILA Schiner, 1860:215. Type-species, *Syrphus bombiformis* Fallén (Williston, 1887:158).
Tapetomyia Flupe, 1939:370. Type-species, *meyeri* Flupe (orig. des.).
N. SYN.
MEYERI (Flupe), 1939:370, figs. 8 (head), 9 (wing tip), 10 (hind leg) (*Tapetomyia*). Type-locality: Mexico, Mexico City, 10,000 ft.
Distr. — same. Type ♂ AMNH*. N. COMB.

Tribe CHRYSOGASTERINI

Genus LEPIDOMYIA Loew

- LEPIDOMYIA Loew, 1864a:69 (1864b:231). Type-species, *calopus* Loew (mon.).
Lepidostola Mik, 1886:278 (unjustified nom. nov. for *Lepidomyia* Loew).
Lepromyia Williston, 1887:31 (unjustified nom. nov. for *Lepidomyia* Loew).
Ref. — Hull, 1946b (rev., key).
ABDOMINALIS (Williston), 1888:262 (*Lepidostola*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil. Type ♀ AMNH*.
BRETHESI (Shannon), 1928a:573 (*Lepidostola*). Type-locality: Bolivia, "Prov. Sara". Distr. — Bolivia (El Beni). Type ♂ MACN.
CALOPUS Loew, 1864a:69 (1864b:231). Type-locality: "Cuba". Distr. — same. Type ♀ MCZ [lost]*. Ref. — Hull, 1946b:9 (redescription), figs. 2 & 11 (head), 18 (wing), 27 (mesonotum), 37 (abdomen).
COLOMBIA (Curran), 1929:495 (*Lepidostola*). Type-locality: Colombia, Río Frio, Magdalena. Distr. — same. Type ♀ AMNH.
CREPUSCUSTELLATA (Hull) 1946b:4, figs. 3 (head), 16 (wing), 19 (mesonotum), 28 (abdomen) (*Lepidostola*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
DIONYSIANA (d'Andretta & Carrera), 1952:300, figs. 4 & 5 (middle & hind legs), 6 (wing), 7 (mesonotum), 8 (abdomen) (*Lepidostola*). Type-locality: Brazil, Acre. Distr. — same. Type ♀ MZUSP*.
JENNINGSI (Shannon), 1925a:108 (*Lepidostola*). Type-locality: Panama, Canal Zone. Distr. — Panama, Brazil (Santa Catarina). Type ♂

- USNM*. Ref. — Hull, 1946b:12 (redescription), figs. 6, 10 (head), 21 (mesonotum), 35 (abdomen).
- ORTALINA Wulp, 1888:374. Type-locality: Argentina, Córdoba. Distr. — Brazil (Mato Grosso), Argentina (Tucumán, Córdoba, Buenos Aires). Type ♀ lost?. Ref. — Hull, 1946b:8 (redescription), figs. 7 (head), 14 (wing), 25 (mesonotum), 30 (abdomen).
- var. LACTIVA (Hull), 1946b:9 (*Lepidostola*). Type-locality: Brazil, Mato Grosso, Chapada. Type ? AMNH*.
- PERPOLITA (Johnson), 1921:56 (*Lepidostola*). Type-locality: "Mexico". Distr. — same. Type ♂ MCZ.
- PULCHRA (Williston), 1888:261 (*Lepidostola*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (Mato Grosso, Acre). Types ♂ ♀ AMNH.
- SIMILIS (Williston), 1888:262 (*Lepidostola*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Peru (Madre de Dios), Brazil (Mato Grosso, Santa Catarina, São Paulo). Type ♀ AMNH. Ref. — Hull, 1946b:5 (description of male), figs. 1 (head), 15 (wing), 26 (mesonotum), 29 (abdomen).
- STELLATA (Hull), 1941a:1 (*Lepidostola*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♀ AMNH. Ref. — Hull, 1946b: 12, figs. 8 (head), 13 (wing), 24 (mesonotum), 33 (abdomen).
- TRILINEATA (Hull), 1941a:2 (*Lepidostola*). Type-locality: Brazil, Mato Grosso, Poxoréu, Coronel Ponce. Distr. — Peru (Madre de Dios), Brazil (Mato Grosso). Type ♂ AMNH. Ref. — Hull, 1946b:12, figs. 5 & 9 (head), 27 (mesonotum), 36 (abdomen).
- VULTURELLA (Hull), 1946b:7, figs. 4 (head), 17 (wing), 23 (mesonotum), 34 (abdomen) (*Lepidostola*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Argentina (Tucumán). Type ♂ AMNH.

Genus MYOLEPTA Newman

- MYOLEPTA Newman, 1838:373. Type-species, *Musca luteola* Gmelin (mon.). *Myiolepta*, emendation.
- Xylotaaja* Rondani, 1845:457. Type-species, *Syrphus vara* Panzer (orig. des.).
- Eumyiolepta* Shannon, 1921:71. Type-species, *Myolepta strigilata* Loew (orig. des.).
- Sarolepta* Hull, 1941i:436. Type-species, *dolorosa* Hull (orig. des.). Ref. — Fluke & Weems, 1956 (rev., keys).

Subgenus MYOLEPTA Newman

- AURICAUDATA Williston, 1891:40, pl. 1:11 (habitus), 11a (head), 11b (hind leg). Type-locality: Mexico, Guerrero, Xucumanatlán; Morelos, Cuernavaca. Distr. — U.S.A. (Arizona); Mexico (Guerrero, Morelos). Type ♂ ♀ BM(NH). Ref. — Fluke & Weems, 1956:11 (redescription), figs. 6 (mesonotum), 15 (antenna).
- DOLOROSA (Hull), 1941i:436 (*Sarolepta*). Type-locality: "Venezuela". Distr. — same. Type ♀ VMNH.
- GREENI Hull, 1941i:435. Type-locality: Argentina, Tucumán, Villa Nougés. Distr. — same. Type ♀ USNM. Ref. — Fluke & Weems, 1956:10 (redescription), figs. 12 (antenna), 29 (male genitalia).
- schreiteri* Blanchard, in Fluke & Weems, 1956:11. *Nomen nudum*.



- HAEMORRHOIDALIS (Philippi), 1865:740 (*Priomerus*?). Type-locality: Chile, Santiago. Distr. — Chile, Argentina (Neuquén). Type ? MNHNS. Ref. — Fluke & Weems, 1956:8 (redescription), fig. 9 (antenna).
- LUCTUOSA (Bigot), 1857a:296, pl. 7:7 (wing, head, antenna) (*Helophilus*). Type-locality: "Chile". Distr. — same. Type ♂ BM(NH). Ref. — Fluke & Weems, 1956:7 (description), fig. 13 (antenna).
- luctuosa* Philippi, 1865:739 (*Priomerus*?; preocc. Bigot, 1857). Type-locality: Chile. Type ? MNHNS.
- NAUSICAA (Hull), 1937a:172, fig. 3 (mesonotum) (*Nausigaster*). Type-locality: Uruguay, Montevideo. Distr. — Uruguay, Argentina (Formosa), Chile (Santiago). Type ♀ USNM*. N. COMB.
- apicalis* Fluke, in Fluke & Weems, 1956:9, figs. 3 (head), 5 (thorax & abdomen), 10 (antenna), 27 (male genitalia). Type-locality: Argentina, Formosa, Juarez, Ingenio. Type ♂ IML. N. SYN.

Subgenus PROTOLEPIDOSTOLA Hull

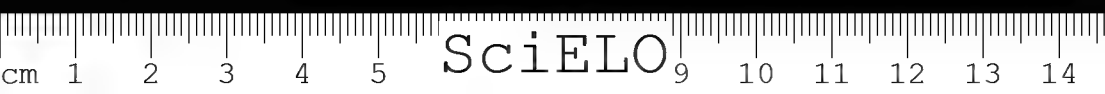
- PROTOLEPIDOSTOLA Hull, 1949d:333 (as genus). Type-species, *Lepidostola scintillans* Hull (orig. des.).
- BRAZILIANA (Shannon), 1927a:14 (*Eumyiolepta*). Type-locality: Brazil, Teresópolis. Distr. — same. Type ♂ BM(NH).
- ?CIRCULARIS (Hull), 1941i:434 (*Eumyiolepta*). Type-locality: Argentina, Tucumán, Villa Nougés. Distr. — same. Type ♀ USNM. Ref. — Fluke & Weems, 1956:12 (description), figs. 11 (antenna), 30 (male genitalia).
- EVANSI Thompson, 1968:276. Type-locality: Mexico, Guerrero, 16 km east of Chilpancingo, 4700 ft. Distr. — same. Type ♀ MCZ*.
- MINUTA Fluke, in Fluke & Weems, 1956:16, figs. 17 (wing tip), 32 (male genitalia). Type-locality: Argentina, Tucumán, Tafi, Locavera. Distr. — same. Type ♂ IML.
- PROBLEMATICA Thompson, 1968:275, figs. 2, 2a & 2b (head). Type-locality: Panama, Canal Zone, Barro Colorado. Distr. — same. Type ♀ MCZ*.
- SCINTILLANS (Hull), 1946b:3, figs. 12 (head), 20 (mesonotum), 31 (abdomen) (*Lepidostola*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.

Genus CHROMOCHEILOSIA Hull & Fluke

- Cheilosia*, subg. CHROMOCHEILOSIA Hull & Fluke, 1950:306. Type-species, *Chilosia bicolor* Shannon & Aubertin (orig. des.). Ref. — Shannon & Aubertin, 1933:141 (key).
- BICOLOR (Shannon & Aubertin), 1933:141, fig. 27a (head) (*Chilosia*). Type-locality: Chile, Casa Pangue. Distr. — same. Type ♂ BM(NH).
- INCERTA (Shannon & Aubertin), 1933:142, fig. 27b (head) (*Chilosia*). Type-locality: Chile, Casa Pangue. Distr. — Chile. Type ♀ USNM*.
- PUBESCENS (Shannon & Aubertin), 1933:142 (*Chilosia*). Type-locality: Chile, Casa Pangue. Distr. — Chile, Argentina (Neuquén). Type ♂ BM(NH).

Genus ORTHONEVRA Macquart

- ORTHONEVRA Macquart, 1829:188 (40). Type-species, *Chrysogaster elegans* Meigen (mon.).
- Orthoneura*, emendation.



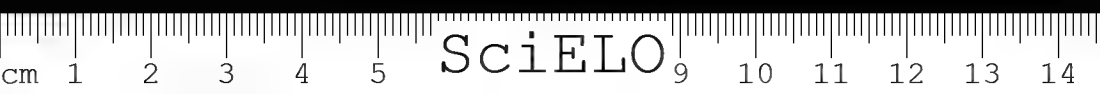
- Cryptineura* Bigot, 1859:308. Type-species, *hieroglyphica* Bigot (mon.)
= *nitida* Wiedemann.
- Chrysogaster* authors (part).
Ref. — Sedman, 1964 & 1966 (rev., keys).
- ?ANNULIFERA Bigot, 1884a:556. Type-locality: "Brazil". Distr. — same.
Type ♀ OXF.
- ARGENTINA (Brèthes), 1922:141 (*Chrysogaster*). Type-locality: Argentina,
Buenos Aires, Sierra de la Ventana. Distr. — same. Type ♂
MACN. N. COMB.
- BELLULA (Williston), 1882:304 (*Chrysogaster*). Type-locality: U.S.A.,
Washington Territory, California. Distr. — Western U.S.A.;
?Mexico (Durango, Michoacán) [Williston, 1891:7]. Types ♂ ♀
USNM*. Ref. — Sedman, 1964:170 (description), figs. 4 (eye
markings), 11 (mesonotum), 16 (wing). N. COMB.
- FLUKEI (Sedman), 1964:173, figs. 3 (male genitalia), 8 (eye markings),
10 (mesonotum), 12 (wing) (*Chrysogaster*). Type-locality: U.S.A.,
Arizona, Chochise Co., 17 mi. east of Douglas. Distr. — U.S.A.
(California to Nevada), south to Mexico (Baja California & Chia-
pas). Type ♂ UCD*. N. COMB.
- GEWGAW (Hull), 1941g:152, fig. 11 (wing) (*Chrysogaster*). Type-locality:
Cuba, Soledad. Distr. — same. Type ♂ MCZ*. N. COMB.
- LABYRINTHOPS (Hull), 1944j:44 (*Chrysogaster*). Type-locality: Argentina,
Mendoza, Potrerillos, 4000 ft. Type ♂ CU. N. COMB.
- ?LUGUBRIS (Jaenicke), 1867:404 (*Chrysogaster*). Type-locality: Chile.
Distr. — same. Type ♀ SMF. N. COMB.
- NEOTROPICA (Shannon), 1925a:107 (*Chrysogaster*). Type-locality: Paraguay,
San Bernardino. Distr. — same. Type ♀ USNM. N. COMB.
- nitida* (Wiedemann) not neotropical [Sedman, 1964:176].
- QUADRISTRIATA (Shannon & Aubertin), 1933:140 (*Chrysogaster*). Type-loca-
lity: Argentina, Neuquén. Type ♂ USNM. N. COMB.
- SHANNONI (Curran), 1925a:119 (*Chrysogaster*). Type-locality: Costa Rica,
San Mateo, Huigito. Distr. — same. Type ♂ USNM. N. COMB.

Genus CACOCERIA Hull

- Cacomyia* Hull, 1930:147 (preocc. Coquillett, 1906). Type-species, *cressoni*
Hull (orig. des.).
- CACOCERIA Hull, 1936a:227 (nom. nov. for *cacomyia* Hull).
- CRESSONI (Hull), 1930:147, pl. 9:1 (mesonotum), 3 (hind leg), 4 (head)
(*Cacomyia*). Type-locality: "Mexico". Distr. — same. Type ♀
ANSP.
- WILLISTONI Hull, 1949i:225. Type-locality: Peru, Chanchamayo. Distr. —
Peru, Argentina (Tucumán). Type ♂ Hull.

Genus CHAMAESPHEGINA Shannon & Aubertin

- CHAMAESPHEGINA Shannon & Aubertin, 1933:145. Type-species, *argenti-
facies* Shannon & Aubertin (orig. des.)
- Desmetrum* Enderlein, 1938:193. Type-species, *macrum* Enderlein (orig.
des.).
- ARGENTIFACIES Shannon & Aubertin, 1933:145, figs. 28 (head), 29 (wing).
Type-locality: Argentina, Ensenada. Distr. — Argentina, Chile
(Arauco, Aysén, Curicó, Malleco). Type ♀ BM(NH).
- MACRA (Enderlein), 1938:194 (*Desmetrum*). Type-locality: Middle Chile,
"Comudes". Distr. — same. Type ♂ ZMB.



Genus BRACHYOPA Meigen

BRACHYOPA Meigen, 1822:260. Type-species, *Musca conica* Panzer (Westwood, 1840:137) = *panzeri* Goffe.
Unnamed sp. — Mexico (Mexico).

Tribe EUMERINI

Genus EUMERUS Meigen

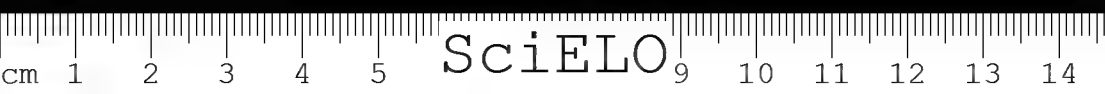
EUMERUS Meigen, 1822:202. Type-species, *Syrphus tricolor* Fabricius (Curtis, 1839:pl. 749). Ref. — Latta & Cole, 1933 (rev., key).
TUBERCULATUS Rondani, 1857:93. Type-locality: "Italy". Distr. — Europe, Canada, U.S.A.; Colombia (Magdalena). Types ♂ ♀ MZUF*. Ref. — Collin, 1920:103 (redescription), figs. 1 (4th sternum of male), 3 (hind leg), 4-6 (male genitalia).

Genus ALIPUMILIO Shannon

ALIPUMILIO Shannon, 1927a:12. Type-species, *femoratus* Shannon (orig. des.). Ref. — Vockeroth, 1964 (key).
AVISPAS Vockeroth, 1964:924, fig. 3 (wing tip). Type-locality: Peru, Madre de Dios, Avispas, 400 m. Distr. — same. Type ♀ CNC*.
FEMORATUS Shannon, 1927a:12, figs. 1 (wing), 2 (head), 3 (head). Type-locality: "Amazon". Distr. — same. Type ♀ BM(NH)*. Ref. — Hull, 1949d:336, figs. 16a (habitus), 16b (hind leg), 16c,d (head).
NIGROCOERULEUS Vockeroth, 1964:924, fig. 2 (wing tip). Type-locality: Mexico, Morelos, Yautepec, Canyon de Lobos, 4000 ft. Distr. — same. Type ♀ CU*.
PULLATUS Vockeroth, 1964:923, figs. 1 (wing tip), 4 (head). Type-locality: Peru, Madre de Dios, Avispas, 400 m. Distr. — same. Type ♀ CNC*.

Genus NAUSIGASTER Williston

NAUSIGASTER Williston, 1883:33. Type-species, *punctulata* Williston (mon.). Ref. — Curran, 1941 (key); Carrera, Lopes, & Lane, 1947b (biol., immature stages).
BONARIENSIS Lynch Arribáizaga, 1892d:254 (1892c:155). Type-locality: Argentina, Buenos Aires. Distr. — Argentina, Brazil (north to Mato Grosso & Rio de Janeiro). Type ♀ MACN.
shannoni Carrera, Lopes & Lane, 1947b:481, figs. 28 (wing), 29-38 (male genitalia + abdomen), 39-49 (larva). Type-locality: Brazil, Rio de Janeiro. Type ♂ IOC. N. SYN.
CHRYSIDIFORMIS Shannon, 1922b:39. Type-locality: Peru, Río Charape. Distr. — same. Type ♀ USNM.
FLUKEI Curran, 1941:256. Type-locality: Paraguay, Villarica. Distr. — Brazil (São Paulo, Paraná), Paraguay. Type ♀ AMNH*. Ref. — Carrera, *et. al.*, 1947b:478 (description of male), figs. 20 (wing), 21-26 (male genitalia).
GEMINATA Townsend, 1897d:25. Type-locality: U.S.A., Texas, Beeville & Kenedy. Distr. — U.S.A. (Texas, Arizona), Mexico (Sonora, Durango, Hidalgo). Types ♂ ♀ BM(NH)* & VMNH*.
MERIDIONALIS Townsend, 1897a:20. Type-locality: Mexico, Vera Cruz, San Rafael. Distr. — Mexico (Vera Cruz), ?Brazil (Curran, 1941:255). Type ♀ BM(NH)*.
PERUVIENSIS Shannon, 1922a:40. Type-locality: Peru, Santa Eulalia. Distr. — same. Type ♀ USNM.



- PUNCTATA Williston, 1883:34, pl. 2, fig. 15 (habitus). Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (California to Texas); Mexico (Durango), ?Brazil (Williston, 1888:259). Type ♀ USNM.
- TUBERCULATA Carrera, Lopes & Lane, 1947b:480, fig. 27 (wing). Type-locality: Brazil, Paraná, Iguazu. Distr. — Brazil (Paraná, Santa Catarina). Type ♀ IOC.
- UNIMACULATA Townsend, 1897b:24. Type-locality: U.S.A., California. Distr. — U.S.A. (California to Texas); Mexico (Sonora). Types ♂ BM(NH) & USNM.
- VANZOLINII d'Andretta & Carrera, 1952:298, figs. 2 (wing), 3 (abdomen). Type-locality: Brazil, Acre. Distr. — same. Type ♀ MZUSP*.

Tribe CERIOIDINI

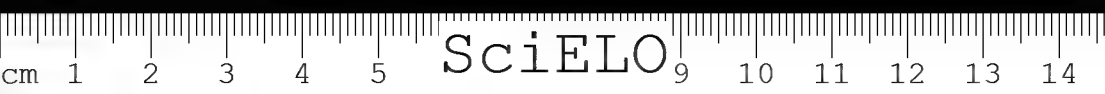
Genus SPHIXIMORPHA Rondani

- SPHIXIMORPHA Rondani, 1850c:212. Type-species, *Ceria subsestilis* Illiger (orig. des.)
- Sphiximorpha*, emendation
- Cerioides* Rondani, 1850c:211 (originally cited in synonymy; validated by Becker, et al., 1907:156). Type-species, *Ceria subsestilis* Illiger (aut.)
- Cerioides*, misspelling.
- Cerioides*, subg. *Polistoceria* Hull, 1949d:380. Type-species, *kerteszi* Shannon (orig. des.).
- Ref. — Curran, 1941 (key).
- BARBIPES (Loew), 1853:19 (*Ceria*). Type-locality: Uruguay, Montevideo. Distr. — Brazil (São Paulo, Rio de Janeiro, Mato Grosso, Santa Catarina), Uruguay, Argentina. Type ♂ ZMB. N. COMB.
- acra* Curran, 1941:246 (*Cerioides*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Type ♂ AMNH*. N. SYN.
- BIGOTII (Williston), 1888:291 (*Ceria*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (São Paulo, Rio de Janeiro, Mato Grosso). Types ♂ ♀ AMNH*. N. COMB.
- BOLIVIANA (Kertész), 1903:434 (*Ceria*). Type-locality: Bolivia, Songo. Distr. — same. Type ♀ UNMB [destroyed]. N. COMB.
- BRAUERII (Williston), 1888:289 (*Ceria*). Type-locality: Brazil, Mato Grosso, Chapada; Pará, Santarém. Distr. — Peru, Brazil (Pará, Mato Grosso), Bolivia. Types ♀ AMNH*. Ref. — Hull, 1949d:267, fig. 4d (abdomen). N. COMB.
- var. PHILIPPI (Shannon), 1925c:63 (*Cerioides*). Type-locality: Bolivia, Ivon, Beni. Type ♀ USNM.
- FACIALIS (Kertész), 1903:439 (*Ceria*). Type-locality: "Paraguay". Distr. — Brazil (Paraná, Santa Catarina), Paraguay. Type ♂ UNMB [destroyed]. N. COMB.
- FLAVOSIGNATA (Kertész), 1902:89 (*Ceria*). Type-locality: Bolivia, Songo; Peru, Maracapota, 1000 m. Distr. — same. Types ♂ UNMB [destroyed]. N. COMB.
- KERTESZI (Shannon), 1925c:63 (*Cerioides*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ USNM. N. COMB.
- MEADEI (Williston), 1892:76, pl. 2:12 (habitus), 12a+b (head) (*Ceria*). Type-locality: Mexico, Guerrero, Xucumanatlán, 7000 ft. Distr. — same. Types ♂ BM(NH). N. COMB.
- MIKII (Williston), 1888:288 (*Ceria*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Types ♀ AMNH*. N. COMB.

- NIGRIPENNIS (Williston), 1887:263 (*Ceria*). Type-locality: Mexico. Distr. — same. Type ♀ MCZ*. N. COMB.
- PICTA (Kertész), 1902:87 (*Ceria*). Type-locality: Bolivia, Songo; Peru, Callanga. Distr. — same. Types ♂ ♀ UNMB [destroyed]. N. COMB.
- POLISTES (Curran), 1941:246 (*Ceriodes*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina), Paraguay. Type ♂ AMNH*. N. COMB.
- ?POLISTIFORMIS (Hull), 1944:404 (*Ceriodes*). Type-locality: Bolivia, Cuesta de Sillunticara, 3000 m. Distr. — same. Type ♀ VMNH. N. COMB.
- PYRRHOCERA (Kertész), 1903:435 (*Ceria*). Type-locality: Bolivia, S. Antonio. Distr. — same. Type ♀ UNMB [destroyed]. N. COMB.
- ROEDERII (Williston), 1888:289 (*Ceria*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Peru, Brazil (Mato Grosso). Type ♂ AMNH*. N. COMB.
- ?RUBROBRUNNEA (Hull), 1944:403 (*Ceriodes*). Type-locality: Colombia, Muzo. Distr. — same. Type ♀ VMNH. N. COMB.
- SACKENII (Williston), 1888:287 (*Ceria*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (Mato Grosso), Argentina (Formosa, Tucumán). Types ♂ AMNH*. N. COMB.
- SHANNONI (Lane & Carrera), 1943:169 (*Ceriodes*). Type-locality: Brazil, São Paulo, Juquiá. Distr. — same. Type ♀ MZUSP. N. COMB.
- SIGNIFERA (Loew), 1853:18 (*Ceria*). Type-locality: "Mexico". Distr. — U.S.A. (Minnesota to Massachusetts, south to Florida); Mexico. Type ♀ ZMB? N. COMB.
- SUPERBA (Williston), 1887:264 (*Ceria*). Type-locality: "Mexico". Distr. — same. Type ♂ MCZ*. N. COMB.
- TRICHOPODA (Kertész), 1903:438 (*Ceria*). Type-locality: Bolivia, Songo. Distr. — same. Type ♂ UNMB [destroyed]. N. COMB.
- VARIABILIS (Kertész), 1903:437 (*Ceria*). Type-locality: Bolivia, Songo. Distr. — Bolivia, Peru. Type ♀ UNMB [destroyed]. N. COMB.
- VICINA (Kertész), 1902:89 (*Ceria*). Type-locality: Peru, Cagon, 1000 m. Distr. — same. Type ♂ UNMB [destroyed]. N. COMB.
- WULPII (Williston), 1888:290 (*Ceria*). Type-locality: Brazil, Mato Grosso, Chapada; Rio de Janeiro. Distr. — Brazil (Rio de Janeiro, São Paulo, Mato Grosso). Types ♂ ♀ AMNH*. Ref. — Sack, 1921:149, fig. 25 (puparium). N. COMB.

Genus MONOCEROMYIA Shannon

- MONOCEROMYIA Shannon, 1922d:41. Type-species, *Ceria tricolor* Loew (mon.).
- BICOLOR (Kertész), 1902:86 (*Ceria*). Type-locality: Peru, Callanga. Distr. — Peru, Bolivia. Type ♀ UNMB [destroyed]. N. COMB.
- CACICA (Walker), 1860:288 (*Ceria*). Type-locality: "Mexico". Distr. — same. Type ♀ BM(NH). N. COMB.
- DAPHNAEUS (Walker), 1849:537 (*Ceria*). Type-locality: "Jamaica". Distr. — same. Type ♀ BM(NH). N. COMB.
- LYNCHII (Williston), 1888:287 (*Ceria*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type AMNH*. N. COMB.
- TRICOLOR (Loew), 1861:37 (*Ceria*). Type-locality: "Cuba". Distr. — Cuba. Types ♂ ♀ MCZ. Ref. — Hull, 1949d:264, fig. 3b (head).
- VERRALLI (Williston), 1892:75 (*Ceria*). Type-locality: Panama, David. Distr. — same. Type ♂ BM(NH). N. COMB.
- VITTIPES (Curran), 1941:246 (*Ceriodes*). Type-locality: Peru, Puerto Bermúdez. Distr. — same. Type ♂ AMNH*. N. COMB.

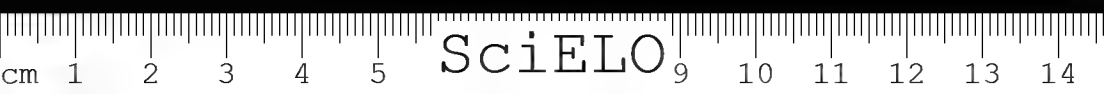


Genus POLYBIOMYIA Shannon

- POLYBIOMYIA Shannon, 1925c:56. Type-species, *schwarzi* Shannon (orig. des.). Ref. — Shannon, 1925c (key), Curran, 1941 (key, in part).
- ARIETIS (Loew), 1853:17 (*Ceria*). Type-locality: "Mexico". Distr. — same. Type ♂ ZMB.
- BASSLERI (Curran), 1941:245 (*Cerioides*). Type-locality: Peru, Upper Río Huallaga. Distr. — same. Type ♂ AMNH*. N. COMB.
- BERGROTHI (Williston), 1892:77 (*Ceria*). Type-locality: Mexico, Vera Cruz, Atoyac. Distr. — same. Type ♂ BM(NH).
- CAPITIS (Curran), 1925a:27, pl. 1:2 (head) (*Cerioides*). Type-locality: Mexico, Mexico City. Distr. — U.S.A. (Texas); Mexico (Distrito Federal). Type ♂ USNM.
- LYNCHARRIBALZAGAI Shannon, 1927d:40. Type-locality: Argentina, Tucumán, Quebrada de Lules. Distr. — same. Type ♀ MACN?
- MACQUARTI Shannon, 1925c:59 (nom. nov. for *scutellata* Williston). Distr. — U.S.A. (Texas); Mexico.
scutellata Williston, 1887:265 (*Ceria*; preocc. Macquart, 1842). Type-locality: Mexico. Type ♀ USNM.
- NIGRA (Bigot), 1883b:317 (*Sphymorpha*). Type-locality: "Mexico". Distr. — same. Types ♂ ♀ BM(NH).
- ODONTOMERA (Curran), 1941:244 (*Cerioides*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (São Paulo, Acre, Mato Grosso). Type ♂ AMNH. [lost-FCT]. N. COMB.
- PEDICELLATA (Williston), 1887:264 (*Ceria*). Type-locality: "Mexico". Distr. — U.S.A. (Arizona, Texas, Florida); Mexico (Guanajuato, Isthmus of Tehuantepec). Type ♂ USNM. Ref. — Curran, 1925a:30 (redescription), pl. 2:3 (head).
- PLAUMANNI (Curran), 1941:245 (*Cerioides*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*. N. COMB.
- RUFIBASIS (Bigot), 1883b:318 (*Sphymorpha*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH).
- SCHNABEI (Williston), 1892:76 (*Ceria*). Type-locality: Mexico, Vera Cruz, Atoyac. Distr. — U.S.A. (Texas), Mexico (Vera Cruz). Types ♂ BM(NH).
- SCHWARZI Shannon, 1925c:57. Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ USNM.
- TOWNSENDI (Snow), 1895b:246 (*Ceria*). Type-locality: U.S.A., New Mexico, Las Cruces. Distr. — U.S.A. (California to Texas); Mexico (Durango). Type ♂ UK.
- TRAVASSOSI (Lane & Carrera), 1943:172 (*Cerioides*). Type-locality: Brazil, São Paulo, Rio Paraná, Porto Cabral. Distr. — same. Type ♂ MZUSP*. N. COMB.

UNPLACED SPECIES OF CERIOIDINI

- NITIDA Sack, 1941:118 (1951:114) (*Cerioides*). Type-locality: Peru, Umanchuán. Types ♂ ♀ ?
- ROBUSTA Sack, 1941:119 (1951:115) (*Cerioides*). Type-locality: Peru, mouth of Pachitea River; Meshagua on Urubamba River. Types ♂ ?



Tribe ERISTALINI

Genus HELOPHILUS Meigen

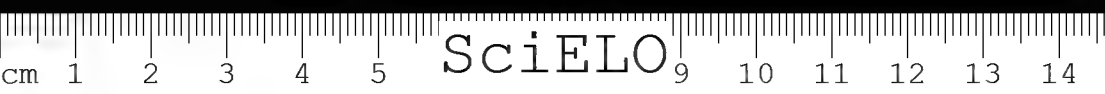
- HELOPHILUS Meigen, 1822:368. Type-species, *Musca pendula* Linnaeus (Curtis, 1832:pl. 429). Ref. — Curran & Fluke, 1926:211-229 (key, rev.).
- FASCIATUS Walker, 1849:605. Type-locality: Canada, Ontario, Hudson's Bay, Albany River, St. Martin's Fall. Distr. — Canada (British Columbia to Quebec), south to U.S.A. (Florida), Mexico; Haiti? [Walker, 1860]. Type BM(NH). Ref. — Curran & Fluke, 1926:220 (redescription), pl. 5:6 (head).
- similis* Macquart, 1842:124 (64) (preocc. Curtis, 1832). Type-locality: Georgia. Type ♂ OXF*.
- impositus* Walker, 1860:289 (*Eristalis*). Type-locality: Haiti (error?). Type ♀ BM(NH).
- LATIFRONS Loew, 1863:313 (1864b:197). Type-locality: U.S.A., Nebraska. Distr. — Alaska to Labrador, south to U.S.A. (Florida), Mexico. Types ♂ ♀ MCZ. Ref. — Curran & Fluke, 1926:216 (redescription), pl. 5:7, 8 (head).

Genus POLYDONTOMYIA Williston

- Polydonta* Macquart, 1850:448 (144) (preocc. Fischer, 1807). Type-species, *bicolor* Macquart (orig. des.) = *albiceps* (Macquart).
- Triodonta* Williston, 1885:136 (nom. nov. for *Polydonta* Macquart; preocc. Bory, 1827). Type-species, *Polydonta bicolor* Macquart (aut.) = *albiceps* (Macquart).
- POLYDONTOMYIA Williston, 1896:89. Type-species, *Merodon curvipes* Wiedemann (Coquillett, 1910a:593) = *albiceps* (Macquart).
- ALBICEPS (Macquart), 1846:260 (132) (*Helophilus*). Type-locality: Canada, Nova Scotia. Distr. — Alaska, south to U.S.A. (California & Nebraska); also Canada (eastern Quebec to Nova Scotia), south to U.S.A. (New Jersey); Mexico? [Wirth, et al., 1965:621], Brazil? [Walker, 1852:243]. Type ♀ MNHN? N. STATUS.
- curvipes* Wiedemann, 1830:149 (*Merodon*; preocc. Gmelin, 1790). Type-locality: "North America". Type ♀ VMNH. N. STATUS.
- bicolor* Walker, 1852:243 (*Merodon*; preocc. Macquart, 1850). Type locality: Brazil (error?). Type ♀ BM(NH)*. N. SYN.

Genus ASEMOZYRPHUS Bigot

- ASEMOZYRPHUS Bigot, 1882a:cxviii. Type-species, *oculiferus* Bigot (Aldrich, 1933:168) = *mexicanus* (Macquart).
- Dimorphomyia* Bigot, 1885b:clxxiii. Type-species, *calliphoroides* Bigot (mon.) = *mexicanus* (Macquart) [see Aldrich, 1933:168]. Ref. — Curran, 1939c (key).
- ARQUATUS (Say), 1829:162 (*Xylota*). Type-locality: "Mexico". Distr. — same. Type ? lost. N. COMB.
- formalis* Walker, 1849:603 (*Helophilus*). Type-locality: "Mexico". Type ♀ BM(NH)*. N. SYN.
- bicolor* Bigot, 1882a:cxix. Type-locality: "Mexico". Type ♀ BM(NH). N. SYN.
- impurus* Giglio-Tos, 1892c:6. Type-locality: "Mexico". Type ♀ UTOR*.
- olivaceus* Giglio-Tos, 1892c:6. Type-locality: "Mexico". Type ♀ UTOR*.
- arcuata*, Aldrich, 1905:398, emend.



- MEXICANUS (Macquart), 1842:124 (64), pl. 11, fig. 2 (habitus), 2a (head) (*Helophilus*). Type-locality: "Mexico". Distr. — same. Types ♂ ♀ OXF*.
- oculiferus* Bigot, 1882a:cxxviii. Type-locality: "Mexico". Type ♀ BM(NH).
- nigroscutatus* Bigot, 1882a:cxxviii. Type-locality: "Mexico". Type ♀ BM(NH).
- flavocaudatus* Bigot, 1882a:cxxviii. Type-locality: "Mexico". Types ♀ BM(NH).
- calliphoroides* Bigot, 1885b:clxxiii (*Dimorphomyia*). Type-locality: "Mexico". Type ? OXF.
- griseus* Giglio-Tos, 1892c:6. Type-locality: Mexico, Tehuacán. Types ♂ ♀ UTOR*.
- POLYGRAMMUS (Loew), 1872a:85 (1872b:261) (*Helophilus*). Type-locality: U.S.A., California. Distr. — Canada (British Columbia) to U.S.A. (Montana, south to California & Colorado); Mexico? [Wirth, *et al.*, 1965:620]. Type ♀ MCZ.

Genus DOLICHOGYNA Macquart

- DOLICHOGYNA Macquart, 1842:125 (65). Type-species, *fasciata* Macquart (orig. des.) = *chiliensis* (Guérin-Mèneville). Ref. — Fluke, 1951a (rev., key).

Subgenus DOLICHOGYNA Macquart

- ABRUPTA Hine, 1914:342. Type-locality: Peru, Arequipa. Distr. — Chile, Peru. Type ♂ OhSU. Ref. — Fluke, 1951a:472 (redescription), figs. 4, 5 (head), 23 (male genitalia).
- CHILIENSIS (Guérin-Mèneville), 1835:545, tab. 99, fig. 2 (habitus), 2a (head), 2b (antenna), 2c (hind leg) (*Helophilus*). Type-locality: "Chile". Distr. — Chile, Argentina (Jujuy, Neuquén). Type ? MNHN [lost? — not found, JRV]. Ref. — Fluke, 1951a:467 (redescription), figs. 1,2 (head), 11, 12 (abdomen), 19, 22 (male genitalia).
- chilensis*, various authors, misspelling.
- chilensis* Walker, 1837:344 (*Helophilus*; preocc. Guérin-Mèneville, 1835). Type-locality: Chile, Chiloé. Types ♂ ♀ BM(NH).
- fasciata* Macquart, 1842:126, (186), tab. 12:1 (habitus) (66). Type-locality: Chile. Types ♀ MNHN*.
- hahni* Bigot, 1888b:24, tab. 3:6 (habitus) (*Helophilus*). Type-locality: ?Cap Horn? [no definite locality given]. Type ♂ ♀ BM(NH).
- MULLERI Fluke, 1951a:470, figs. 3 (head), 13 (abdomen), 15 (male genitalia). Type-locality: Ecuador, Azuay, Girón. Distr. — Peru, Ecuador. Type ♂ AMNH*.
- PERUANA Sack, 1941:114 (1951:110). Type-locality: Peru, Ocana; Arequipa. Distr. — Peru, Chile. Types ♂ ♀ SMF*.

Subgenus NOSODEPUS Speiser

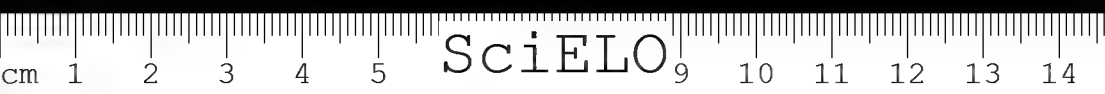
- NOSODEPUS Speiser, 1914:131 (as genus). Type-species, *minotaurus* Speiser (orig. des.).
- Conocotamyia* Fluke, 1951a:473. Type-species, *Helophilus picta* Philippi (orig. des.).
- HINEI Fluke, 1951a:476, figs. 6, 10 (head), 21 (cercus), 25 (middle tarsus). Type-locality: Peru, Puno. Distr. — Bolivia, Peru. Type ♂ OhSU.



- MINOTAURUS (Speiser), 1914:132, figs. (head, leg) (*Nosodepus*). Type-locality: Peru, Guaqui. Distr. — same. Type ♀ [Wiesbaden?].
- NIGRIPES Bigot, 1883b:346. Type-locality: "Chile". Distr. — Argentina, Chile. Types ♂ ♀ BM(NH). Ref. — Fluke, 1951a:477 (redescription), figs. 16 (male genitalia), 26 (middle tarsus).
- PENNIPES (Sack), 1941:114 (1951:110), fig. 7 (middle tarsus) (*Tubifera*). Type-locality: "Peru". Distr. — same. Types ♂ ♀ MD. N. COMB.
- PICTA (Philippi), 1865:743 (*Helophilus*). Type-locality: "Chile". Distr. — Peru, Argentina, Chile. Type ♀ MNHNS. Ref. — Fluke, 1951a:474 (redescription), figs. 7 (head), 14 (abdomen), 20, 24 (male genitalia), 27 (middle tarsus).
- REYNOLDSI Shannon & Aubertin, 1933:165. Type-locality: Argentina, Tierra del Fuego, Río Grande. Distr. — Chile, Argentina. Type ♂ BM(NH). Ref. — Fluke, 1951a:475 (redescription), figs. 8, 9 (head), 17, 18 (male genitalia).
- ROSTRATA (Macquart), 1846:259 (131) (*Helophilus*). Type-locality: "Nouvelle-Grenade". Distr. — same. Type ♂ BM(NH)*. N. COMB.

Genus QUICHUANA Knab

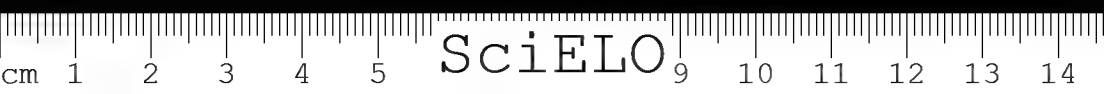
- QUICHUANA Knab, 1913:13. Type-species, *sylicola* Knab (orig. des.).
Quihuana, Hull, 1944k:510, misspelling.
 Ref. — Hull, 1946a (rev., key).
- ANGUSTRIVENTRIS (Macquart), 1855:110 (90), pl. 5, fig. 2 (head) (*Meron*). Type-locality: unknown. Distr. — South America? Type ♂ MNHN.
- AURATA (Walker), 1857:153 (*Helophilus*). Type-locality: "Valley of Amazon". Distr. — Colombia, Peru. Type ♂ BM(NH). Ref. — Hull, 1946a:13 (redescription), fig. 2 (head).
- BEZZII Ceresa, 1934:387, figs. 3a+b (head), 3c (wing). Type-locality: Brazil, São Paulo, São Sebastião. Distr. — Brazil (São Paulo), Argentina (Tucumán). Types ♀ ♂ MCSNM*.
- BORGMEIERI Lane & Carrera, 1944:206. Type-locality: Brazil, São Paulo, Horto Florestal da Cantareira. Distr. — same. Type ♀ MZUSP*.
- CALATHEA Shannon, 1925:111. Type-locality: Panama, Porto Bello. Distr. — Panama, Colombia. Types ♂ ♀ USNM*. Ref. — Hull, 1946a:16, fig. 13 (head).
- CESTUS Hull, 1946a:4, figs. 4 & 14 (head), 16 (antenna). Type-locality: Venezuela, Mt. Duida. Distr. — same. Type ♀ AMNH*.
- CHAMPIONI (Williston), 1892:69 (*Mallota?*). Type-locality: Mexico, Guerrero, Amula, 6000 ft. Distr. — Mexico (Durango, Veracruz, Guerrero). Type ♂ BM(NH). Ref. — Hull, 1946a:9 (redescription), figs. 19 (antenna), 27 (head).
- nigra* Giglio-Tos, 1892c:6 (*Platynochaetus*). Type-locality: Mexico, Orizaba. Types ♀ UTOR*. N. SYN.
- CINTA (Bigot), 1883b:345 (*Lepidomyia*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH)*. Ref. — Hull, 1946a:16, figs. 21 (antenna), 26 (head).
- DOLOROSA Hull, 1946a:6. Type-locality: Bolivia, Mapiri. Distr. — same. Type ♂ AMNH*.
- FASCIATA (Sack), 1941:115 (1951:111) (*Myiatropa*). Type-locality: Peru, Paso de Lares. Distr. — same. Types ♂ ♀ MD + SMF*.
- HERMOSA Hull, 1951b:67. Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ Hull.
- INCA Shannon, 1925a:111. Type-locality: Peru, Huascaray. Distr. — Co-



- lombia, Peru. Type ♂ USNM. Ref. — Hull, 1946a:16, figs. 11 & 24 (head), 18 (antenna).
- var. *BREVICERA* Hull, 1946a:7. Type-locality: Colombia, Atrata Valley, Boca de Arquia. Types ♂ BM(NH)*.
- KNABI Shannon, 1927a:15. Type-locality: Bolivia, Beni, Cavinás. Distr. — same. Type ♀ USNM. Ref. — Hull, 1946a:16, figs. 9 & 22 (head), 15 (antenna).
- MONTANA Hull, 1951b:65. Type-locality: Peru, Chanchamayo. Distr. — Venezuela, Peru. Type ♂ Hull.
- NIGRICANS Thompson (nom. nov. for *nigra* Hull). Distr. — Peru. NOM. NOV.
- nigra* Hull, 1949g:133 (preocc. Giglio-Tos, 1892). Type-locality: Peru, Pucallpa. Type ♀ Hull.
- PARISII Ceresá, 1934:389, figs. 4a+b (head), 4c (wing). Type-locality: Brazil, São Paulo, São Sebastião. Distr. — same. Types ♀ MCSNM*.
- PICADOI Knab, 1913:14. Type-locality: "Costa Rica". Distr. — Costa Rica, Colombia, Surinam. Type ♀ USNM. Ref. — Hull, 1946a:16, figs. 12 & 25 (head), 17 (antenna).
- POGONOSA Fluke, 1937:11, fig. 14 (head). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Venezuela, Brazil. Type ♂ AMNH*. Ref. — Hull, 1946a:15, fig. 8 (head).
- QUIXOTEIA Hull, 1946a:14, fig. 6 (head). Type-locality: "Colombia". Distr. — same. Types ♂ ♀ Hull.
- RIESELII Shannon, 1927c:5. Type-locality: Argentina, Tucumán. Distr. — same. Type ♂ MACN?
- SEPIAPENNIS Hull, 1944k:510 (*Quihuana*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ Hull. Ref. — Hull, 1946a:15, figs. 1 & 5 (head).
- SIMONETTA Hull, 1946a:5, figs. 3 & 7 (head). Type-locality: Peru, Huanabamba. Distr. — same. Type ♀ VMNH.
- SUBCOSTALIS (Walker), 1860:291 (*Xylota*). Type-locality: "Mexico". Distr. — same. Type ♀ BM(NH). Ref. — Hull, 1946a:16, figs. 20 (antenna), 28 (head).
- SYLVICOLA Knab, 1913:14. Type-locality: Peru, Chanchamayo. Distr. — same. Type ♀ USNM. Ref. — Hull, 1946a:16, figs. 10 & 23 (head).
- URSULA Hull, 1949g:136. Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull.

Genus *MALLOTA* Meigen

- MALLOTA* Meigen, 1822:377. Type-species, *Syrphus fuciformis* Fabricius (Rondani, 1845:452).
- Imatisma* Macquart, 1842:127 (67). Type-species, *Eristalis posticatus* Fabricius (orig. des.). Ref. — Curran, 1940:12 (key).
- ABERRANS Shannon, 1927a:17. Type-locality: Peru, Paltaybamba. Distr. — same. Type ♀ USNM.
- ANALIS (Macquart), 1846:260 (138), pl. 11, fig. 8 (habitus) (*Imatisma*). Type-locality: "Nova Grenada". Distr. — same. Type ♀ BM(NH).
- BEQUAERTI Hull, 1956:24. Type-locality: U.S.A., Texas, Chisos Mountains, Big Bend National Park. Distr. — U.S.A. (Texas, Arizona)† Mexico. Type ♂ MCZ.



- COLOMBII Macquart, 1850:445 (141), tab. 13, fig. 3 (habitus), 3a (head), 3b (antenna), 3c (hind leg). Type-locality: Colombia. Distr. — Colombia, Venezuela, Peru. Type ♀ MNHN*.
- vulpina* Sack, 1941:116 (1951:112). Type-locality: Peru, Pichis. Types ♂ ♀ MD*. N. SYN.
- apimima* Hull, 1944i:402. Type-locality: "Venezuela". Type ♂ VMNH*. N. SYN.
- INTERMEDIA Hull, 1949g:125. Type-locality: Peru, Huánuco, F. Sinchono District. Distr. — same. Type ♀ Hull.
- INVERSA Shannon, 1927a:16. Type-locality: Peru, Chanchamayo. Distr. — Peru. Type ♀ USNM.
- MARGARITA Williston, 1892:70, pl. 2:7 (habitus), 7a (head), 7b (hind leg). Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft.; Xucumanatlán, 7000 ft. Distr. — same. Types ♂ ♀ BM(NH) & AMNH*.
- MYSTACIA Fluke, 1939:372, fig. 12 (head). Type-locality: Panama, Chiriquí, El Volcán. Distr. — same. Type ♂ AMNH*.
- NIGRA Shannon, 1927a:16. Type-locality: Ecuador, Santa Inez. Distr. — same. Type ♀ BM(NH).
- RUBICUNDA Curran, 1940:13. Type-locality: Ecuador, Tungurahua, Mt. Tungurahua. Distr. — same. Type ♂ AMNH*.
- SACKENI Williston, 1882b:324. Type-locality: U.S.A., Washington Territory. Distr. — Western Canada & U.S.A.; Mexico. Types ♂ USNM. Ref. — Williston, 1887b:204 (redescription), pl. 8:14 (wing).
- SALTI Curran, 1929:499. Type-locality: Colombia, Santa Marta, Vista Nieve. Distr. — same. Type ♀ AMNH*.
- SMITHI Williston, 1892:70, pl. 2:8 (habitus), 8a (head), 8b (antenna). Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft. Distr. — same. Types ♂ ♀ BM(NH) & AMNH*.

Genus HABROMYIA Williston

- HABROMYIA Williston, 1888:284. Type-species, *coeruleithorax* Williston (mon.).
- Edwardsiella* Hull, 1941i:437. Type-species, *ochracea* Hull (orig. des.).
- Lycopale* Hull, 1944h:129. Type-species, *Meromacrus vittata* Hull (orig. des.) = *lizeri* (Brèthes).
- Criorthrix* Hull, 1949d:391. Type-species, *Habromyia rectilinea* Hull (orig. des.).
- BARBIELLINII (Ceresa), 1934:383, figs. 1 (habitus), 2a+b (head), 2c (wing) (*Quichuana*). Type-locality: Brazil, São Paulo, São Sebastião. Distr. — same. Types ♂ ♀ MCSNM*.
- CHRYSOTAENIA Fluke, 1937:12, fig. 15 (abdomen). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
- COERULEITHORAX Williston, 1888:284. Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Peru, Brazil. Types ♂ ♀ AMNH*. Ref. — Hull, 1949d:390, figs. 24a (wing), 24j (head).
- FLAVIFACIES Shannon, 1927a:15. Type-locality: "Amazon". Distr. — same. Type ♂ BM(NH)*.
- FLOCCULA Hull, 1944j:47. Type-locality: Peru, Matucana. Distr. — same. Type ♀ CU.
- LANGI Curran, 1934b:406. Type-locality: Guyana, Kamakusa. Distr. — same. Type ♀ AMNH*.
- LIPOFLAVA Fluke, 1937:13. Type-locality: Peru, Yura. Distr. — Peru. Type ♂ AMNH*.

- LIZERI (Brèthes), 1914:97 (*Helophilus*). Type-locality: Argentina, Córdoba. Distr. — Argentina. Type ♂ MACN. N. COMB.
vittata Hull, 1937a:170 (*Meromacrus*). Type-locality: Argentina, Villa Nougés. Type ♀ USNM*. N. SYN.
MAGNIFICA (Bigot), 1880a:85 (*Plagiocera*). Type-locality: Colombia. Distr. — same. Type ♂ OXF*. Ref. — Hull, 1949d:390, fig. 24h (head).
OCHRACEA (Hull), 1941i:437 (*Edwardsiella*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ USNM*. Ref. — Hull, 1949d:390, fig. 24f (head).
RECTILINEA Hull, 1942h:19. Type-locality: Bolivia, Río Songo, 800 m. Distr. — Bolivia. Types ♀ VMNH & Hull.
XYLOTAEFORMIS (Schiner), 1868:360 (*Mallota*). Type-locality: "Chile". Distr. — same. Types ♂ ♀ VMNH.

Genus ERISTALIS Latreille

- Tubifera* Meigen, 1800:34. Type-species, *Musca tenax* Linnaeus (Coquillett, 1910a:618). Suppressed by I.C.Z.N., 1963:339.
Elophilus Meigen, 1803:274. Type-species, *Musca tenax* Linnaeus (Latreille, 1810:443).
ERISTALIS Latreille, 1804:194. Type-species, *Musca tenax* Linnaeus (Curtis, 1832:pl. 432). [In order to preserve established usage, we have followed Wirth, *et al.*, 1965:622, in using *Eristalis* instead of its senior synonym, *Elophilus*.]
Eristaloides Rondani, 1845:453. Type-species, *Musca tenax* Linnaeus (Coquillett, 1910a:540).
Eristalomya Rondani, 1857:38. Type-species, *Musca tenax* Linnaeus (orig. des.).
Eriops Lioy, 1864:743 (preocc. Klug, 1808). Type-species, *Musca tenax* Linnaeus (Goffe, 1946:29). Ref. — Hull, 1925a, 1925b (rev., key); Curran, 1930c, 1934b:407 (keys); Shannon & Aubertin, 1933:159 (key to Chilean and Southern Patagonian spp.); Bean, 1949 (male genitalia, key).

Subgenus ERISTALIS Latreille

- TENAX (Linnaeus), 1758:591 (*Musca*). Type-locality: "Europe". Distr. — cosmopolitan. Type ? ? Ref. — Williston, 1887b:160 (redescription), pl. 7:7 (wing), 7a (head), 7b (antenna), 7c (hind leg).

Subgenus EOSERISTALIS Kanervo

- EOSERISTALIS Kanervo, 1938:12. Type-species, *Eristalis cerealis* Fabricius (orig. des.).
AZTECUS Hull, 1935:326, figs. 5 (head), 7, 8 (hind femora). Type-locality: Mexico, Real del Monte. Distr. — same. Type ♀ USNM*.
BELLARDII Jaennicke, 1867:400. Type-locality: "Mexico". Distr. — U.S.A. (Arizona); Mexico (Durango). Type ♂ SMF. N. STATUS.
rufoscutata Bigot, 1880b:221 (*Eristalomyia*). Type-locality: Mexico. Types ♂ ♀ OXF*. N. SYN.
BOGOTENSIS Macquart, 1842:112 (52). Type-locality: Colombia, Santa Fé de Bogotá. Distr. — Colombia, Venezuela, Ecuador, Peru, Bolivia, Chile, Argentina (south to Tierra del Fuego). Types ♀ MNHN* & BM(NH). Ref. — Hull, 1925b:308 (redescription), pl. 11:7 (abdomen), 2:12 (head), 15 (mesonotum).



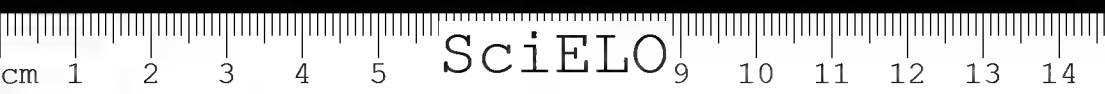
- assimilis* Macquart, 1846:257 (129). Type-locality: "Colombia". Types ♂ ♀ MNHN? (not found — JRV). N. SYN.
- CIRCE Williston, 1891:59, pl. 2:3 (habitus), 3a (head). Type-locality: Mexico, Durango, Ciudad; Guerrero, Omiltemi, 8000 ft.; Jalapa. Distr. — Mexico (Durango-Chiapas). Types ♂ ♀ BM(NH). Ref. — Hull, 1935:327 (redescription), fig. 2 (head).
- bombusoides* Giglio-Tos, 1892c:4. Type-locality: Mexico, Oaxaca. Types ♂ ♀ UTOR*.
- GUADELUPENSIS Macquart, 1842:92 (32). Type-locality: "Guadeloupe" (Error?). Distr. — same. Type ♂ MNHN*.
- PERSA Williston, 1891:58. Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas, 9000 ft. Distr. — same. Type ♀ BM(NH)*.
- STIPATOR Osten-Sacken, 1877:336. Type-locality: U.S.A.: Colorado, Manitou Park & Denver; New Mexico, Morino Valley; California. Distr. — Canada (British Colombia to Nova Scotia), south to U.S.A. (Florida), Mexico (Guerrero). Types ♂ ♀ MCZ. Ref. — Williston, 1887b:164 (redescription).
- latifrons* Loew, 1866a:169 (1872b:43) (preocc. Fallén, 1817). Type-locality: Mexico, Matamoros. Types ♂ ♀ MCZ.
- var. MACULIPENNIS Townsend, 1897d:93. Type-locality: U.S.A., New Mexico, Rio Gila, Head of East Fork. Types ♂ ♀ BM(NH).
- TENUIFRONS Curran, 1930c:12. Type-locality: Panama, Canal Zone, Fort Randolph. Distr. — same. Type ♀ AMNH*.

Genus LYCASTRIRHYNCHA Bigot

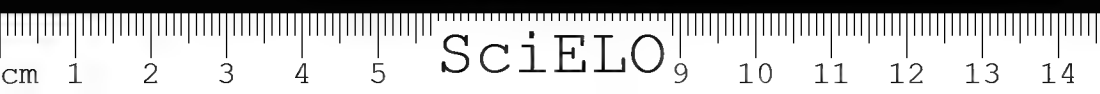
- LYCASTRIRHYNCHA Bigot, 1859:307. Type-species, *nitens* Bigot (mon.). *Lycastrirrhyncha*, various authors, misspelling.
Ref. — Doesburg, 1962:31 (key).
- MEXICANA Curran, 1930e:15. Type-locality: Mexico, Vera Cruz. Distr. — same. Type ♀ AMNH*.
- NITENS Bigot, 1859:307. Type-locality: "Amazonia". Distr. — Mexico (Veracruz), "Amazons". Type ♀ OXF*. Ref. — Hull, 1949d:393, fig. 25b (habitus), 25m (head).
- QUINTA Doesburg, 1963:31. Type-locality: Surinam, Paramaribo. Distr. — same. Type ♀ Doesburg*. Ref. — Doesburg, 1966:103 (description of male), figs. 67 (head), 68 (habitus).
- TITILLANS Hull, 1944j:53. Type-locality: Guyana, Demerara River, Mackenzie. Distr. — same. Type ♂ CU.
- WILLISTONI Coquillett, 1902:196. Type-locality: Mexico, Tabasco, Frontera. Distr. — same. Types ♂ USNM. Ref. — Hull, 1949d:269, fig. 6a (head).

Genus PALPADA Macquart

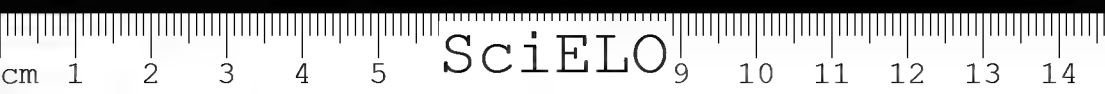
- PALPADA Macquart, 1834:512. Type-species, *scutellata* Macquart (mon.) = *scutellaris* (Fabricius).
- Doliosyrphus* Bigot, 1882a:cxv. Type-species, *scutellatus* Bigot (Williston, 1887b:178) = *scutellaris* (Fabricius).
- Doliosyrphus*, Bigot, 1883b:228, misspelling.
Ref. — Curran, 1930c, 1934b:407 (key, as part of *Eritalis*).
- AEMULA (Williston), 1891:64, pl. 2:5 (habitus) (*Eritalis*). Type-locality: Mexico, Guerrero: Río Papagaio, 1200 ft.; Chilpancingo, 4600 ft.; Rincón, 2800 ft.; Venta de Zopilote 2800 ft.; Guatemala, San Geronimo; Panama: Bugaba. Distr. — Mexico (Guerrero), Gua-



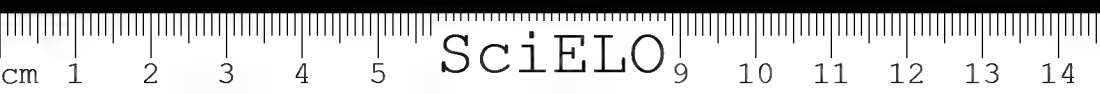
- temala, Panama, Guyana, Colombia. Types ♂ ♀ BM(NH). Ref. — Hull, 1925b:288 (redescription), pl. 1:1 (abdomen), 2:18 (hind leg). N. COMB.
- AGRORUM (Fabricius), 1787:335 (*Syrphus*). Type-locality: "America". Distr. — U.S.A. (Louisiana, Florida), West Indies (Cuba, Puerto Rico), Honduras, Panama, Venezuela, Peru, Brazil, Paraguay, Argentina (Tucumán, Jujuy, Formosa, Santa Fe, Entre Rios, Córdoba). Types ♂ ♀ MC*. Ref. — Hull, 1925a:38 (description), pl. 1:3 (abdomen), 2:14 (mesonotum); Bean, 1949:143, fig. 4 (male genitalia). N. COMB.
- cubensis* Macquart, 1842:102 (42) (*Eristalis*). Type-locality: Cuba, Havana. Type ♀ OXF*.
- ?*sallae* Giglio-Tos, 1892c:5 (*Eristalis*). Type-locality: Mexico. Type ♀ UTOR*.
- sallae*, various authors, misspelling.
- ALBIFRONS (Wiedemann), 1830:189 (*Eristalis*). Type-locality: "Brazil". Distr. — U.S.A. (Louisiana to North Carolina & Florida); Cuba, Mexico, Guatemala, Panama, Colombia, Venezuela, Surinam, Brazil. Type ♂ VMNH. Ref. — Hull, 1925a:35 (redescription), pl. 1:7 (abdomen); Bean, 1949:144, fig. 3 (male genitalia). N. COMB.
- senicula* Loew, 1866a:168 (1872b:42) (*Eristalis*). Type-locality: Cuba, Type ♂ MCZ.
- ALBIVENTRIS (Bigot), 1880b:228 (*Eristalomyia*). Type-locality: Uruguay, Montevideo. Distr. — same. Type ♀ BM(NH). N. COMB.
- AMAZON (Curran), 1930c:23 (*Eristalis*). Type-locality: Brazil, Amazonas, Rio Caiari-Uaupés. Distr. — Venezuela, Brazil (Amazonas). Type ♀ AMNH*. N. COMB.
- ARGYROPILE (Hull), 1938:121, fig. 10 (head) (*Eristalis*). Type-locality: French Guiana, Mana River. Distr. — same. Type ♀ CM. N. COMB.
- ATRIMANA (Loew), 1866a:167 (1872b:41) (*Eristalis*). Type-locality: "Cuba". Distr. — Cuba, Jamaica, Haiti, Puerto Rico, ?Venezuela [AMNH]. Type ♀ MCZ. Ref. — Williston, 1887b:173 (description); Curran, 1930c:16 (redescription). N. COMB.
- ?*willistoni* Townsend, 1895a:47 (*Eristalis*). Type-locality: Jamaica, Bath; San Domingo. Types ♂ ♀ BM(NH) & USNM. [Williston, 1887b:173, refers to this species].
- BEQUAERTI (Hull), 1942a:84 (*Eristalis*). Type-locality: Paraguay, Villarica. Distr. — same. Type ♂ MCZ*. N. COMB.
- antiopa* Hull, 1942a:87 (*Eristalis*). Type-locality: Paraguay, Villarica. Type ♀ MCZ*. N. SYN.
- BISTELLATA (Hull), 1935:328, figs. 1 (head), 6 (hind tibiae) (*Eristalis*). Type-locality: Peru, Piches & Perené. Distr. — same. Type ♀ USNM*. N. COMB.
- BRAZILIENSIS (Goot), 1964:214 (*Eristalis*; nom. nov. for *trifasciata* Macquart). Distr. — Brazil. N. COMB.
- trifasciata* Macquart, 1842:99 (39), pl. 10, fig. 1 (head) (*Eristalis*; preocc. Say, 1830). Type-locality: "Brazil". Type ? MNHN? (not found — JRV).
- BREVIVILLOSA (Hull), 1937a:173, figs. 2 (abdomen), 4 (hind leg) (*Eristalis*). Type-locality: Peru, Lima. Distr. — same. Type ♀ USNM*. N. COMB.
- CALIGINOSA (Walker), 1849:621 (*Eristalis*). Type-locality: ?. Distr. — ? (probably Neotropical). Type ♀ BM(NH)*. N. COMB.



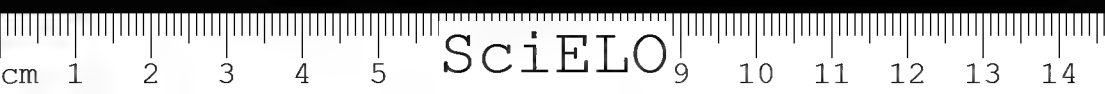
- ?CALOMERA (Bigot), 1880b:229 (*Eristalomyia*?). Type-locality: "Amer. merid.". Distr. — same. Type ♀ BM(NH). N. COMB.
- ?CALOPS (Bigot), 1880b:227 (*Eristalomyia*). Type-locality: "Colombia". Distr. — same. Type ♀ BM(NH).
- CHILENA (Rondani), 1863:5 (*Eristalomyia*). Type-locality: "Chile". Distr. — Mexico?, Jamaica?, Guyana?, Brazil?, Chile (south to Aysén), Argentina (doubtful records all from Fluke, 1957:137). Type ♀ MIZUN. N. COMB.
- lateralis* Walker, 1837:347 (*Eristalis*; preocc. Fallén, 1817). Type-locality: "Chile". Type ♂ BM(NH)*.
- porteri* Curran, 1935:8 (*Eristalis*). Type-locality: Chile, "probably Valparaíso". Type ♂ AMNH*. N. SYN.
- CHILENSIS (Philippi), 1865:743 (*Eristalis*). Type-locality: Chile, Santiago. Distr. — same. Type ? MNHNS. N. COMB.
- CLARIPENNIS (Hull), 1949g:123 (*Eristalis*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Peru, Brazil (Santa Catarina). Type ♂ Hull. N. COMB.
- CLARISSIMA (Giglio-Tos), 1892c:5 (*Eristalis*). Type-locality: Mexico, Tuxpango. Distr. — same. Types ♂ UTOR*. N. COMB.
- CLAUDIA (Curran), 1930c:18 (*Eristalis*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ AMNH*. N. COMB.
- ?COLUMBICA (Macquart), 1855:108 (88) (*Eristalis*). Type-locality: Colombia. Distr. — same. Type ♀ BM(NH). N. COMB.
- CONCOLOR (Philippi), 1865:743 (*Eristalis*). Type-locality: Chile, Valparaíso. Distr. — same. Type ? MNHNS. N. COMB.
- CONGRUA (Wulp), 1888:371 (*Eristalis*). Type-locality: Argentina, Prov. Tucumán. Distr. — same. Type ♂ ML? (lost? — not found — JRV). N. COMB.
- CONICA (Fabricius), 1805:190 (*Milesia*). Type-locality: "America meridionali". Distr. — Guatemala, Colombia, Guyana, Brazil (Rio de Janeiro, Mato Grosso). Type ♂ ♀ MC*. Ref. — Hull, 1925b:290 (redescription), pl. 1:6 (abdomen). N. COMB.
- CORA (Hull), 1949g:121 (*Eristalis*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ Hull. N. COMB.
- COSMIA (Schiner), 1868:362 (*Eristalis*). Type-locality: "Venezuela". Distr. — Mexico (Veracruz), Ecuador, Colombia, Peru, Argentina (Tucumán). Types ♂ ♀ VMNH*. N. COMB.
- CROCEIMACULATA (Jacobs), 1900:107 (*Eristalis*). Type-locality: Argentina, Tierra del Fuego, Isla de los Estados, "Golfo Saint-Jean". Distr. — same. Type ♀ ?
- ?CROCEIPES (Bigot), 1880b:227 (*Eristalomyia*). Type-locality: "Amer. merid.". Distr. — same. Type ♀ BM(NH). N. COMB.
- DECORA (Perty), 1830:185, tab. 37, fig. 3 (habitus) (*Eristalis*). Type-locality: Brazil, "Provincia Piauihiensis". Distr. — same. Type(s) ? ZSM. N. COMB.
- DIABILIS (Hull), 1935:330, figs. 3 (scutellum), 11 (hind leg) (*Eristalis*). Type-locality: Mexico, Mexico City. Distr. — Mexico. Type ♂ USNM*. N. COMB.
- DIMINUTA (Walker), 1849:622 (*Eristalis*). Type-locality: "Mexico". Distr. — same. Type ♀ BM(NH). N. COMB.
- DISTINGUENDA (Wiedemann), 1830:191 (*Eristalis*). Type-locality: Uruguay, Montevideo. Distr. — Paraguay, Uruguay, Argentina. Type ♂ VMNH*. Ref. — Curran, 1930c:8 (descriptive note). N. COMB.



- xanthaspis* Wiedemann, 1830:191 (*Eristalis*). Type-locality: ? (not given). Type ♀ VMNH? (not found — JRV).
- DORIS (Curran), 1930c:20 (*Eristalis*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (Mato Grosso, Rio de Janeiro). Type ♂ AMNH*. N. COMB.
- DOROTHEA (Hull), 1942a:88 (*Eristalis*). Type-locality: Paraguay, Villarica. Distr. — same. Type ♀ MCZ*. N. COMB.
- ELEGANS (Blanchard), 1852:406 (*Eristalis*). Type-locality: Chile, Coquimbo. Distr. — Chile (Santiago — rauco), Argentina (Saeta, Neuquén). Type(s) ? MNHN? (not found — JRV). Ref. — Hull, 1925a:26 (description), pl.2:13 (abdomen), 16 (mesonotum). N. COMB.
- philippii* Schiner, 1868:363 (*Eristalis*). Type-locality: "Chile". Types ♀ VMNH*.
- ERRATICA (Curran), 1930c:19 (*Eristalis*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — Panama, Colombia, Venezuela, Guyana, Trinidad, Ecuador, Peru, Brazil. Type ♂ AMNH*. N. COMB.
- EXPICTA (Walker), 1860:290 (*Eristalis*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH)*. N. COMB.
- FAMILIARIS (Walker), 1860:290 (*Eristalis*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH)*. N. COMB.
- FASCIATA (Wiedemann), 1819:51 (*Eristalis*). Type-locality: "Brazil". Distr. — Mexico, Guatemala, Panama, Venezuela, Guyana, Trinidad, Ecuador, Brazil. Types ♂ ♀ VMNH* & ZMB. Ref. — Hull, 1925a:34 (description), pl. 1:6 (abdomen), 2:15 (mesonotum). N. COMB.
- podagra* Macquart, 1842:98 (38) (*Eristalis*). Type-locality: Brazil, Pará. Type ♀ MNHN*.
- proxima* Rondani, 1848:69 (*Eristalis*). Type-locality: "Brazil". Type ?
- bifasciata* Macquart, 1855:107 (87) (*Eristalis*). Type-locality: "Brazil". Types ♂ OXF*.
- ?surinamensis* Macquart, 1842:113 (53) (*Eristalis*; preocc. Degeer, 1776). Type-locality: "Surinam". Types ♂ MNHN*. [probably not *fasciata*].
- FASCICULATA (Curran), 1938:2 (*Eristalis*). Type-locality: Brazil, São Paulo. Distr. — Brazil, Argentina (Tucumán, Neuquén). Type ♂ AMNH*. N. COMB.
- FLAVIPENNIS (Macquart), 1842:112 (52) (*Eristalis*). Type-locality: "Guyane". Distr. — same, Type ♀ MNHN*. N. COMB.
- FLAVOSCUTELLATA (Hull), 1937a:173, figs. 1 (tip of abdomen), 7 (hind leg) (*Eristalis*). Type-locality: Costa Rica, Hiquito, San Mateo. Distr. — same, Type ♀ USNM*. N. COMB.
- FLOREA (Hull), 1925a:39, pl. 1:3 (abdomen) (*Eristalis*). Type-locality: Guyana, Arakaba & Bartica, Kartabo. Distr. — Mexico (Tabasco), Panama, Guyana, Trinidad. Type ♂ OhSU. N. COMB.
- FULIGINOSA (Hull), 1935:327, figs. 4 (scutellum), 9 (head), 10, 12 (hind femur) (*Eristalis*). Type-locality: Costa Rica, Atenas. Distr. — same. Type ♂ USNM*. N. COMB.
- FULVIPES (Bigot), 1880z:225 (*Eristalomyia*). Type-locality: "Mexico". Distr. — same. Type ♀ BM(NH). N. COMB.
- FULVITARIS (Rondani), 1863:6 (*Eristalomyia*; nom. nov. for *rufitarsis* Macquart, 1855). Distr. — Colombia. N. COMB.
- rufitarsis* Macquart, 1855:109 (89) (*Eristalis*; preocc. Macquart, 1842). Type-locality: "Colombia". Type ♂ BM(NH).



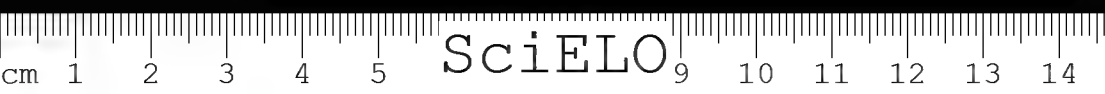
- FUNEREA (Rondani), 1850b:358 (*Eristalis*). Type-locality: "America aequatoriali" [Ecuador, Rio Napo]. Distr. — same. Type ♀ MIZUN. N. COMB.
- funescens*, Williston, 1886:219, misspelling.
- FURCATA (Wiedemann), 1819:51 (*Eristalis*). Type-locality "Brazil". Distr. — Mexico (Durango), south to Peru and Argentina. Type ♂ VMNH*. Ref. — Hull, 1925a:29 (description), pl. 2:11 (abdomen), 20 (mesonotum). N. COMB.
- femorata* Macquart, 1842:100 (40), pl. 3, fig. 6 (head) (*Eristalis*). Type-locality: Brazil, Rio de Janeiro. Type ♀ MNHN*.
- tenebrica* Walker, 1849:601 (*Merodon*). Type-locality: ? Type ♀ BM(NH).
- florida* Walker, 1852:245 (*Eristalis*). Type-locality: "Brazil". Type ♂ BM(NH).
- FUSCIPENNIS (Macquart), 1846:256 (128), pl. 11, fig. 5 (wing) (*Eristalis*). Type-locality: "Surinam". Distr. — same. Type ♀ MRHNB. N. COMB.
- GENICULATA (Fabricius), 1805:237 (*Eristalis*). Type-locality: "America meridionali". Distr. — Surinam, Brazil. Type ♂ MC*. N. COMB.
- fumipennis* Stephens, 1846:29, pl. 47:3 (habitus) (*Eristalis*). Type-locality: unknown. Type ♂ BM(NH). Ref. Verrall, 1901:672. N. SYN.
- GENICULOSA Thompson (nom. nov. for *geniculata* Bigot). Distr. — Argentina (Buenos Aires). NOM. NOV.
- geniculata* Bigot, 1883a:cxv (*Doliosyrphus*; preocc. Fabricius, 1805). Type-locality: Argentina, Buenos Aires. Types ♂ ♀ BM(NH).
- GLABELLA (Hull), 1942a:85 (*Eristalis*). Type-locality: Panama, Canal Zone, Summit. Distr. — same. Type ♀ MCZ*. N. COMB.
- GUNDLACHI (Loew), 1866a:166 (1872b:40) (*Eristalis*). Type-locality: "Cuba". Distr. — same. Types ♂ ♀ MCZ. N. COMB.
- GUYANENSIS (Goot), 1964:213 (*Eristalis*; nom. nov. for *pygmaea* Macquart). Distr. — Surinam. N. COMB.
- pygmaea* Macquart, 1842:114 (54) (*Eristalis*; preocc. Zetterstedt, 1838). Type-locality: "Surinam". Type ♂ MNHN*.
- HORTORUM (Fabricius), 1775:764 (*Syrphus*). Type-locality: "America". Distr. — West Indies, Cuba, Puerto Rico, St. Thomas. Type ? Kiel? (not found — JRV). Ref. — Williston, 1887b:173 (redescription), pl. 7:10 (wing); Hull, 1925a:41 (description), pl. 1:8 (abdomen). N. COMB.
- INCA (Bigot), 1880b:217 (*Eristalis*). Type-locality: "Peru". Distr. — same. Type ♂ BM(NH). N. COMB.
- INCERTA (Bigot), 1880b:220 (*Eristalomyia*). Type-locality: "Brazil". Distr. — same. Type ♀ OXF. N. COMB.
- INCUBUS (Hull), 1943f:29 (*Eristalis*). Type-locality: Brazil, Paraná, Curitiba. Distr. — same. Type ♀ Hull. N. COMB.
- INTERRUPTA (Fabricius), 1805:239 (*Eristalis*). Type-locality: "America meridionali". Distr. — same. Type ♂ MC*. N. COMB.
- INVERSA (Wiedemann), 1830:161 (*Eristalis*). Type-locality: Surinam. Distr. — same. Type ♂ SMF*. N. COMB.
- LANGI (Curran), 1934b:411 (*Eristalis*). Type-locality: Guyana, Kamakusa. Distr. — Guyana, Peru, Brazil (Mato Grosso). Type ♀ AMNH*. N. COMB.
- MACULA (Sack), 1941:112 (1951:108) (*Eristalis*). Type-locality: Peru, Pachitea River. Distr. — Ecuador, Colombia, Peru. Types ♂ ♀ MD. N. COMB.



- stigmatica* Hull, 1944d:45 (*Eristalis*). Type-locality: Colombia, Atrato Valley. Type ♀ BM(NH)*. N. COMB.
- MEIGENII (Wiedemann), 1830:177 (*Eristalis*). Type-locality: Uruguay, Montevideo. Distr. — Uruguay, Argentina (Buenos Aires), Chile (Santiago — Malleco). Type ♂ VMNH*. Ref. — Hull, 1925a:29 (redescription), figs. 12 (abdomen), 18 (mesonotum), 22 (head). N. COMB.
- quadraticornis* Macquart, 1842:111 (51), pl. 10, fig. 2 (head) (*Eristalis*). Type-locality: "Chile". Type ♀ MNHN*.
- testaceiscutellata* Macquart, 1850:442 (138) (*Eristalis*). Type-locality: "Chile". Types ♂ MNHN*.
- joveifrons* Thomson, 1869:491 (*Eristalis*). Type-locality: Argentina, Buenos Aires. Type ♀ NRS*.
- MELANASPIS (Wiedemann), 1830:176 (*Eristalis*). Type-locality: "Brazil". Distr. — Brazil, Bolivia, Paraguay. Types ♂ VMNH & ZMB*. Ref. — Hull, 1925b:287 (redescription). N. COMB.
- nigriscutellata* Macquart, 1848:201 (41) (*Eristalis*). Type-locality: "Brazil". Type ♂ MNHN*.
- nigroscutellata*, Williston, 1886:318, Fluke, 1957:138, misspelling.
- volatica* Williston, 1888:280 (*Eristalis*). Type-locality: Brazil, Mato Grosso, Chapada; Corumbá; Rio de Janeiro. Types ♂ AMNH*.
- MEXICANA (Macquart), 1847:75 (59) (*Eristalis*). Type-locality: "Mexico". Distr. — same. Type ♂ BM(NH). N. COMB.
- MINUTALIS (Williston), 1891:64, pl. 2:6 (habitus), 6a (head) (*Eristalis*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico (Tabasco), Honduras, Guatemala, Guyana, Colombia, Brazil. Types ♂ ♀ BM(NH). Ref. — Hull, 1925a:42 (redescription). N. COMB.
- MIRABILIS (Hull), 1925b:305, pl. 2:11 (mesonotum) (*Eristalis*). Type-locality: Colombia, Vista Nieve. Distr. — Colombia. Type ♀ AMNH*. N. COMB.
- MITIS (Curran), 1930c:11 (*Eristalis*). Type-locality: Panama, Canal Zone, Corozal. Distr. — Mexico (Veracruz), Panama. Type ♀ AMNH*. N. COMB.
- MONTICOLA (Röder), 1892:9, fig. 1 (habitus) (*Eristalis*; nom. nov. for *montana* Röder). Distr. — Colombia. N. COMB.
- montana* Röder, 1886:263 (*Eristalis*; preocc. Williston, 1882). Type-locality: Colombia, Cordillera, Páramo, 3600 m. Types ? (Halle).
- NIGRIPENNIS (Macquart), 1855:108 (88) (*Eristalis*). Type-locality: "Colombia". Distr. — same. Type ♂ OXF. N. COMB.
- NIGRIPES (Wiedemann), 1830:165 (*Eristalis*). Type-locality: "Brazil". Distr. — Surinam, Brazil, Argentina. Type ♀ VMNH*. N. COMB.
- OELIGUA (Curran), 1940:14 (*Eristalis*). Type-locality: Guyana, Mazaruni. Distr. — Guyana, Peru. Type ♂ AMNH*. N. COMB.
- OBSOLETA (Wiedemann), 1830:175 (*Eristalis*). Type-locality: "Brazil". Distr. — Guatemala, Venezuela, Brazil. Types ♂ ♀ VMNH. Ref. — Hull, 1925b:306 (description); Bean, 1949:146, fig. 9 (male genitalia). N. COMB.
- ?*pachypoda* Bigot, 1880b:224 (*Eristalomyia*). Type-locality: "Mexico". Type ♀ BM(NH).
- OCHRACEA (Williston), 1888:279 (*Eristalis*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Mexico (Tabasco), Colombia, Guyana, Brazil (São Paulo, Mato Grosso). Type ♂ AMNH*. N. COMB.
- alacris* Curran, 1934b:413 (*Eristalis*). Type-locality: Guyana, Kama-kusa. Type ♀ AMNH*.



- ORNATA (Townsend), 1897a:21 (*Eristalis*). Type-locality: Mexico, Veracruz, Río Nautla, San Rafael. Distr. — U.S.A. (California), Mexico (Veracruz). Types ♂ BM(NH). N. COMB.
- PARVULA (Williston), 1888:282 (*Eristalis*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♀ AMNH*. N. COMB.
- PENALTIS (Curran), 1934b:412 (*Eristalis*). Type-locality: Guyana, Kartabo. Distr. — same. Type ♂ AMNH*. N. COMB.
- PRECIPUA (Williston), 1888:280 (*Eristalis*). Type-locality: Brazil, São Paulo; Mato Grosso, Chapada. Distr. — Brazil (São Paulo, Mato Grosso, Santa Catarina); Argentina (Formosa). Types ♂ ♀ AMNH*. Ref. — Hull, 1925b:286 (description), pl. 1:8 (mesonotum). N. COMB.
- PUSILLA (Macquart), 1842:114 (54) (*Eristalis*). Type-locality: French Guiana, Mana River. Distr. — U.S.A. (Texas), Mexico, Cuba, Guatemala, Ecuador, Colombia, Argentina (Tucumán, Formosa). Type ♂ MNHN*. Ref. — Hull, 1925a:36 (description), pl. 1:2 (abdomen). 2:17 (mesonotum); Bean, 1949:144, fig. 2 (male genitalia). N. COMB.
- annulipes* Macquart, 1842:109 (49) (*Eristalis*). Type-locality: Brazil, Rio de Janeiro. Types ♂ ♀ MNHN*. N. SYN.
- tricolor* Jaennicke, 1867:400 (*Eristalis*; preocc. Meigen, 1803). Type-locality: "Mexico". Type ♀ SMF.
- PUSIO (Wiedemann), 1830:192 (*Eristalis*). Type-locality: "Brazil". Distr. — Puerto Rico, Ecuador, Brazil, Argentina. Type ♀ VMNH*. Ref. — Curran, 1930c:13 (redescription). N. COMB.
- PUSIOIDES (Hull), 1951b:68 (*Eristalis*). Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ Hull. N. COMB.
- PYGOLAMPA (Wiedemann), 1830:161 (*Eristalis*). Type-locality: "Brazil". Distr. — Guyana, Brazil, Paraguay, Argentina (Tucumán). Types ♂ VMNH & MC*. Ref. — Hull, 1925b:304 (redescription). N. COMB.
- QUITENSIS (Macquart), 1855:109 (89) (*Eristalis*). Type-locality: Ecuador, Quito. Distr. — same. Type ♀ BM(NH)*. N. COMB.
- RUFICEPS (Macquart), 1842:111 (51) (*Eristalis*). Type-locality: Colombia, Santa Fe de Bogotá. Distr. — Mexico, Colombia, Ecuador, Venezuela, Bolivia. Type ♂ MNHN*. Ref. — Hull, 1925b:307 (description), pl. 2:10 (head). N. COMB.
- thoracica* Jaennicke, 1867:399 (*Eristalis*). Type-locality: "Mexico". Types ♂ ♀ SMF.
- RUFIPEDES Thompson (nom. nov. for *rufipes* Macquart). Distr. — Brazil. NOM. NOV.
- rufipes* Macquart, 1842:102 (42) (*Eristalis*; preocc. Fabricius, 1805). Type-locality: Brazil, "parte meridionale des Campos Geraes". Type ♀ MNHN*.
- RUFIVENTRIS (Macquart), 1846:257 (129) (*Eristalis*). Type-locality: "Colombia". Distr. — U.S.A. (Texas), Mexico, Guatemala, Honduras, Colombia, Ecuador, Peru, Brazil, Argentina (Formosa, Tucumán). Type ♂ MNHN? (not found — JRV). Ref. — Hull, 1925a:33 (description), pl. 1:4 (abdomen). N. COMB.
- praeclarus* Giglio-Tos, 1892c:5 (*Eristalis*). Type-locality: Mexico, Tuxpango. Type ♂ UTOR*.
- RUFOSCUTELLATA (Sack), 1921:142, fig. 16 (head) (*Eristalis*). Type-locality: Paraguay, St. Trinidad. Distr. — Brazil (São Paulo, Santa Cata-



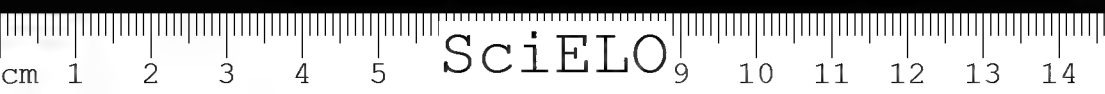
- rina, Paraná), Paraguay, Argentina (Tucumán). Types ♂ ♀ DEI & SMF*. N. COMB.
- cyatheus* Hull, 1925b:287, pl. 1:9 (mesonotum), 2:13 (head) (*Eristalis*). Type-locality: Brazil, São Paulo, São Sebastião. Type ♀ AMNH*. N. SYN.
- SCHISTACEA (Williston), 1888:282 (*Eristalis*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♀ AMNH (lost — FCT). N. COMB.
- SCOPANTHUS (Hull), 1944j:45 (*Eristalis*). Type-locality: Peru, Lima. Distr. — same. Type ♂ CU. N. COMB.
- SCUTELLARIS (Fabricius), 1805:190 (*Milesia*). Type-locality: "America meridionali". Distr. — U.S.A. (New Mexico), south to Brazil. Type ♀ MC*. Ref. — Hull, 1925b:291 (description), pl. 2:16, 19 (head); Doesburg, 1963: 23, fig. 1 (habitus), 1a (head), 1b (hind leg), 2, 4 (puparium), 3 (habitus). N. COMB.
- scutellata* Macquart, 1834:513, pl. 11, fig. 19 (mouthparts). Type-locality: "Brazil". Types ♂ ♀ MNHN*. N. SYN.
- ?*angustata* Rondani, 1848:70 (*Eristalis*). Type-locality: "Brazil". Type ♀ MIZUN.
- ?*cognata* Rondani, 1848:69 (*Eristalis*; preocc. Wiedemann, 1824). Type-locality: "Brazil". Type ♂ MIZUN.
- cyaneifera* Walker, 1849:621 (*Eristalis*). Type-locality: ? Type ? BM(NH).
- limbatinevris* Macquart, 1850:441 (137) (*Eristalis*). Type-locality: "Brazil". Types ♂ OXF*. N. SYN.
- ?*fascithorax* Macquart, 1850:443 (139) (*Eristalis*). Type-locality: "Amérique". Types ♂ ♀ MNHN*.
- ?*agnata* Rondani, 1850b:358 (*Eristaliss* nom. nov. for *cognata* Rondani).
- ?*scutellata* Bigot, 1883a:cxx (*Doliosyrphus*; preocc. Macquart, 1834). Type-locality: "Panama". Types ♂ ♀ BM(NH).
- bimaculata* Bigot, 1883b:222 (*Priomerus*). *Nomen nudum*.
- rileyi* Williston, 1887b:178 pl. 8:8 (head) (*Doliosyrphus*). Type-locality: U.S.A., New Mexico. Types ♂ USNM.
- SEMICIRCULUS (Walker), 1852:249 (*Eristalis*). Type-locality: "Honduras". Distr. — same. Type ♂ BM(NH). N. COMB.
- SOLENNIS (Walker), 1852:245 (*Eristalis*). Type-locality: ? Distr. — Mexico (Yucatán), Brazil, Argentina (Formosa, Tucumán, Río Negro). Type ♂ BM(NH)*. N. COMB.
- agrorum*, Hull, 1925b:289, pl. 1:3 (abdomen), misidentification.
- mus* Curran, 1930c:21 (*Eristalis*). Type-locality: Brazil, Mato Grosso, Corumbá. Type ♂ AMNH*. N. SYN.
- SPECTABILIS (Hull), 1925b:289, pl. 1, fig. 2 (abdomen) (*Eristalis*). Type-locality: Venezuela, Caura Valley. Distr. — Venezuela, Guyana, Peru. Type ♀ MCZ*. N. COMB.
- TAENIA (Wiedemann), 1830:174 (*Eristalis*). Type-locality: Uruguay, Montevideo. Distr. — Colombia, Venezuela, Brazil (São Paulo, Rio de Janeiro), Uruguay, Argentina (Formosa, Tucumán, Santa Fe, Córdoba). Types VMNH* & ZMB. Ref. — Hull, 1925a:38 (description); Curran, 1930c:13 (descriptive notes). N. COMB.
- TATEI (Curran), 1930c:9 (*Eristalis*). Type-locality: Venezuela, Mt. Duida. Distr. — same. Type ♂ AMNH*. N. COMB.
- TESTACEICORNIS (Macquart), 1850:442 (138) (*Eristalis*). Type-locality: "Mexico". Distr. — U.S.A. (California, Arizona), Mexico, Panama,



- Colombia, Venezuela, Trinidad, Ecuador, Peru. Types ♀ OXF². N. COMB.
- sackenis* Bigot, 1880b:224 (*Eristalis*). Type-locality: "Mexico". Type ♀ BM(NH)*. N. SYN.
- sumischraști* Giglio-Tos, 1892d:1 (*Eristalis*). Type-locality: Mexico, Tehuacán. Type ♂ UTOR*. N. SYN.
- sumichraști*, Giglio-Tos, 1893:6, Aldrich, 1905:389, Kertész, 1910:237, Fluke, 1957:143, emendation.
- THALIA (Hull), 1942a:86 (*Eristalis*). Type-locality: Colombia, Dept. Cundinamarca, Bogotá, 2600 m. Distr. — same. Type ♂ MCZ*. N. COMB.
- TRIANGULARIS (Giglio-Tos), 1892c: (*Eristalis*). Type-locality: Mexico, Cuautla. Distr. — U.S.A. (California), Mexico, Cuba, Trinidad, Guatemala, Brazil. Type ♀ UTOR*. Ref. — Hull, 1925a:35 (description), pl. 2:19 (mesonotum). N. COMB.
- TRIGONA (Williston), 1891:61, pl. 2:4 (habitus), 4a (head) (*Eristalis*). Type-locality: Mexico, Guerrero, Xucumanatlán, 7000 ft.; Omiltemi, 8000 ft. Distr. — Mexico (Durango, Guerrero). Types ♂ ♀ BM(NH). N. COMB.
- atropos* Giglio-Tos, 1892d:1 (*Eristalis*). Type-locality: "Mexico". Type ♂ UTOR*. N. SYN.
- UROTAENIA (Curran), 1930c:15 (*Eristalis*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Surinam, Ecuador, Peru, Brazil (Mato Grosso). Type ♂ AMNH*. N. COMB.
- VERA (Hull), 1949g:120 (*Eristalis*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ Hull. N. COMB.
- VIERECKI (Curran), 1930c:10 (*Eristalis*). Type-locality: Colombia, Vista Nieve. Distr. — Colombia, Bolivia. Type ♂ AMNH. N. COMB.
- VINETORUM (Fabricius), 1798:562 (*Syrphus*; as *vinctorum*, emended by Fabricius, 1799:48). Type-locality: "America Insulis". Distr. — U.S.A. (Wisconsin to Pennsylvania), south to Brazil and Argentina (Misiones, Formosa); Galápagos, Cuba, Haiti, Puerto Rico, Virgin Islands, Trinidad. Type Kiel (lost, Zimsen, 1964:478). Ref. — Williston, 1887b:171 (redescription), pl. 7:8a (hind leg); Hull, 1925a:40 (description), pl. 1:9 (abdomen); Bean, 1949:146, fig. 8 (male genitalia). N. COMB.
- ?*surinamensis* Deguer, 1776:145, pl. 29, fig. 1 (habitus) (*Musca*). Type-locality: "Surinam". Type ? NRS [lost, Persson, in litt.].
- trifasciata* Say, 1830:165 (*Eristalis*). Type-locality: "Mexico". Type ? lost.
- uvarum* Walker, 1849:623 (*Eristalis*). Type-locality: "Jamaica". Types ♀ BM(NH).
- soulouguensis* Bigot, 1880b:228 (*Eristalis*). Type-locality: "Haiti". Type ♀ BM(NH).
- hirtipes* Bigot, 1883a:cxxi (*Doliosyrphus*). Type-locality: Panama. Type ♀ BM(NH)*. N. SYN.
- trilimbata* Giglio-Tos, 1892c:5 (*Eristalis*). Type-locality: Mexico, Tampico. Type ♀ UTOR*. N. SYN.

Genus MEROMACRUS Rondani

Plagiocera Macquart, 1842:119 (59) (preocc. Klug. 1834). Type-species, *Milesia cruciger* Wiedemann (orig. des.) = *acutus* (Fabricius).



- MEROMACRUS Rondani, 1848:70. Type-species, *ghilianii* Rondani (mon.).
Pteroptila Loew, 1866a:165 (1872b:39). Type-species, *decorus* Loew (Coquillett, 1910a:598).
- Promilesia* Lynch Arribálzaga, 1892a:241 (1892c:97). Type-species, *nectarinoides* Lynch Arribálzaga (mon.). N. SYN.
- Metameromacrus* Hull, 1942e:1. no type-species designated. *Nomen nudum*.
- Thalamopales* Hull, 1949d:401. Type-species, *Helophilus scitus* Walker (orig des.).
 Refs. — Sack, 1920 (rev., key); Hull, 1942e (rev., key).
- ABDOMINALIS Sack, 1920:261, fig. y (mesonotum). Type-locality: Peru.
 Distr. — same. Type ♀ MD.
- ACUTUS (Fabricius), 1805:189 (*Milesia*). Type-locality: U.S.A., "Carolina".
 Distr. — U.S.A. (Virginia to Florida & Texas), Mexico, Guatemala, British Honduras, Cuba. Types ? lost [Zimsen, 1964:473].
 Ref. — Williston, 1887b:180 (redescription), pl. 8:1 (wing), 1a (abdominal tip), 1b (hind leg), 1c (head); Sack, 1920:260 (description); fig. c' (mesonotum); Hull, 1942e:11, figs. 9 & 10 antenna).
- cruciger* Wiedemann, 1830:105 (*Milesia*). Type-locality: Georgia.
 Types ♂ ♀ VMNH?
- crucifer*, Bigot, 1857b:337, misspelling.
- millesiformis* Macquart, 1834:500 (*Mallota*). Type-locality: Cuba.
 Type ♂ (Lille?).
- milesiformis*, Fluke, 1957:147, misspelling.
- maculatus* Macquart, 1850:451 (147), pl. 14, fig. 2 (wing) (*Milesia*).
 Type-locality: "Afrique" [error?] Type ♀ MNHN.
- AEMULUS (Williston), 1888:283 (*Pteroptila*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Types ♂ AMNH*. Ref. — Sack, 1920:260 (description), figs. w (wing), x (mesonotum).
- ANNA Curran, 1936a:4. Type-locality: Panama, Canal Zone, Fort Randolph.
 Distr. — Panama, Guyana, Peru, Brazil. Type ♂ AMNH*.
- AURIFER Hull, 1942e:4, fig. 12 (mesonotum). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
- BASIGER (Walker), 1860:290 (*Eristalis*). Type-locality: "Amazon Region".
 Distr. — Brazil, Argentina (Tucumán). Type ♀ BM(NH). Ref. — Sack, 1920:270 (description), figs. d' (head), f' (mesonotum).
- milesioides* Bigot, 1880b:226 (*Eristalomyia*). Type-locality: "Brazil".
 Type ♂ BM(NH).
- BRUNERI Curran, 1936a:2. Type-locality: "Cuba". Distr. — same. Type ♀ AMNH*.
- BRUNNEUS Hull, 1942e:9, fig. 8 (antenna). Type-locality: Guyana, Wismar.
 Distr. — same. Type ♂ AMNH*.
- CANUSIUM (Walker), 1849:566 (*Milesia*). Type-locality: "Cape of Good Hope" (error, Hull, 1942e:9). Distr. — Mexico (Nayarit). Type ♀ BM(NH). Ref. — Hull, 1942e:9 (description), fig. 1 (mesonotum).
- CERES Hull, 1942b:11. Type-locality: "Brazil". Distr. — same. Type ♂ Hull.
- CINCTUS (Drury), 1770:109, pl. 45, fig. 6; (index to vol. 1, p. [2]; 1773) (*Musca*). Type-locality: "Jamaica". Distr. — West Indies. Type ? ?
 Ref. — Williston, 1887b:182 (redescription); Sack, 1920:265 (description).
- pinguis* Fabricius, 1775:763 (*Syrphus*). Type-locality: "America"
 Type ? ? [Zimsen, 1964:478].
- ania* Walker, 1849:564 (*Milesia*). Type-locality: "Jamaica". Type ♀ BM (NH).

- CIRCUMDATUS (Bigot), 1875:471 (*Sphixea*). Type-locality: "Colombia". Distr. — Peru, Colombia. Type ♀ OXF. Ref. — Sack, 1920:263 (description), fig. b' (mesonotum).
- CURRANI Hull, 1942e:5, fig. 7 (antenna). Type-locality: "British Honduras". Distr. — same. Type ♀ AMNH*.
- DECORUS (Loew), 1866a:165 (1872b:39) (*Pteroptila*). Type-locality: "Cuba". Distr. — same. Types ♂ ♀ MCZ. Ref. — Williston, 1887b:181 (redescription); Sack, 1920:270 (description).
- DRACO Hull, 1942e:6. Type-locality: Guatemala, Quirigua. Distr. — U.S.A. (Arizona, Texas); Guatemala, British Honduras, Costa Rica. Type ♂ USNM.
- FLAVOLINEA Hull, 1949g:131. Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull.
- FLUKEI Curran, 1936a:3. Type-locality: West Indies, St. Vincent. Distr. — Virgin Islands. Type ♂ AMNH*.
- FUCATUS Hull, 1930:143. Type-locality: Surinam, Paramaribo. Distr. — same. Type ♀ ANSP. Ref. — Hull, 1942e:11, fig. 11 (mesonotum).
- GHILIANII Rondani, 1848:71, figs. 3-5 (head), 4 (antenna). Type-locality: "Brazil". Distr. — same. Type ♂ MIZUN.
- HINEI Hull, 1942e:4. Type-locality: Peru, Middle Rio Marañón. Distr. — same. Type ♂ AMNH*.
- LACONICUS (Walker), 1852:227 (*Milesia*). Type-locality: "Brazil". Distr. — same. Type ♀ BM(NH). N. COMB.
- LINEASCRIPTA Hull, 1937a:170, fig. 10 (mesonotum & abdomen). Type-locality: Bolivia, Beni, Ivon. Distr. — same. Type ♂ USNM.
- MATILDA Hull, 1949g:127. Type-locality: Peru, Pucallpa. Distr. — same. Type ♀ Hull.
- MELMOTH Hull, 1937b:12. Type-locality: Bolivia, Prov. of Sara. Distr. — same. Type ♂ MCZ.
- MILESIA Hull, 1942e:2. Type-locality: "French Guiana". Distr. — same. Type ? Hull?
- NECTARINOIDES (Lynch Arribálzaga), 1892a:243 (1892c:99), fig. 10 (head) (*Promilesia*). Type-locality: Argentina, Chaco; Misiones, Santa Ana & Mocona. Distr. — Brazil (Santa Catarina); Paraguay, Argentina (Tucumán, Buenos Aires, Chaco, Misiones). Types ? MACN. N. COMB.
- cingulatus* Sack, 1920:259. Type-locality: Brazil, Rio Grande do Sul, Santa Cruz. Types ♂ ♀ HZM & SMF*. N. SYN.
- NIGER Sack, 1920:264 [also, 1921:145]. Type-locality: Bolivia, Paraguay, St. Trinidad. Distr. — Guyana, Brazil, Bolivia, Paraguay, Argentina (Tucumán, Misiones). Types MD, DEI & SMF*.
- ?*funereus* Shannon & Aubertin, 1933:163. Type-locality: Argentina, Misiones Terr., Posadas. Type ♂ BM(NH)*.
- OBSCURUS Hine, 1924:21. Type-locality: Guatemala, Los Amates. Distr. — same. Type ♂ OHSU.
- OPULENTUS (Bigot), 1883b:336 (*Eristalis*). Type-locality: "Cuba". Distr. — same. Type ♀ BM(NH). Ref. — Sack, 1920:267 (description); Hull, 1942e:10, figs. 2 (abdomen), 3 (mesonotum).
- PACHYPUS (Wiedemann), 1830:171 (*Eristalis*; nom. nov. for *crassipes* Fabricius). Distr. — Brazil (São Paulo, Mato Grosso). Ref. — Sack, 1920:262 (descriptive note), figs. z (head), a' (mesonotum); Hull, 1942c:11, fig. 6 (mesonotum). N. COMB.
- crassipes* Fabricius, 1805:196 (*Merodon*; preocc. Fabricius, 1805:237). Type-locality: "America meridionali". Type ♂ MC*.

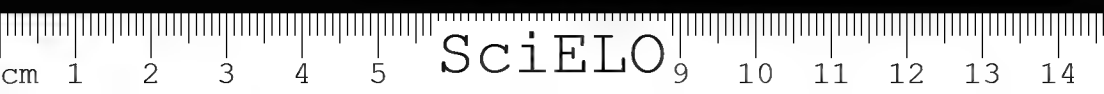
- simplex* Schiner, 1868:365 (*Plagiocera*). Type-locality: "Brazil". Type ♂ VMNH. N. SYN.
- PLUTO Hull, 1942e:7, fig. 13 (antenna). Type-locality: Peru, Middle Rio Ucayali. Distr. — same. Type ♂ AMNH*.
- POTENS Curran, 1932a:8. Type-locality: Cuba, Sierra Maestra, B. de Joaquin. Distr. — same. Type ♂ AMNH*. Ref. — Hull, 1942e:11, fig. 4 (antenna).
- PRATORUM (Fabricius), 1775:765 (*Syrphus*). Type-locality: "America". Distr. — Panama, Guyana, Ecuador, Paraguay, Brazil, Argentina. Type ? Kiel (not found — JRV). Refs. — Sack, 1920:268 (description), fig. e' (mesonotum); Sack, 1921:143 (description), figs. 17 (mesonotum), 18a (larva), 19 (puparium), 20 (anal organ).
- panamensis* Curran, 1930f:11. Type-locality: Panama, Canal Zone, Barro Colorado. Type ♂ AMNH*.
- RUFICRUS (Wiedemann), 1830:105 (*Milesia*). Type-locality: "Cuba". Distr. — U.S.A. (Florida); Cuba. Type ♀ ZMB. Ref. — Williston, 1887b:181 (redescription); Sack, 1920:268 (redescription); Hull, 1942e:11, fig. 5 (antenna).
- SCITUS (Walker), 1857:152 (*Helophilus*). Type-locality: "Valley of Amazon". Distr. — same. Type ♀ BM(NH)*. Ref. — Hull, 1949d:390, fig. 241 (head).
- STRIGULUS Hull, 1942e:8. Type-locality: Peru, Middle Rio Ucayali. Distr. — same. Type ♀ AMNH*.
- UNICOLOR (Wulp), 1883:131, figs. 11 (habitus), 12,12 (head) (*Eristalis*). Type-locality: "Guadeloupe". Distr. — same. Type ♀ ML? [not found — JRV].
- VILLOSUS Hull, 1949g:129. Type-locality: Peru, Pucallpa. Distr. — same. Type ♂ Hull.
- ZONATUS (Loew), 1866a:165 (1872b:39) (*Pteroptila*). Type-locality: "Mexico". Distr. — same. Type ♂ MCZ. Ref. — Williston, 1887b:182 (redescription); Sack, 1920:266 (description).
- var. LOEWI (Williston), 1892:67 (*Pteroptila*). Type-locality: Panama, Volcan de Chiriqui. Distr. — same. Type ♀ BM(NH).

Tribe MILESIINI

Ref. — Shannon, 1926a (rev., keys)

Genus XYLOTA Meigen

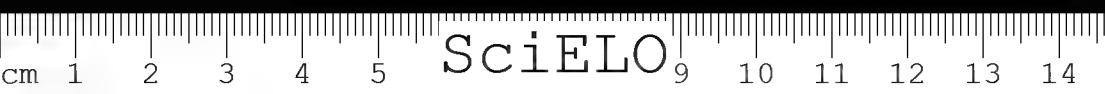
- Zelima* Meigen, 1800:34. Type-species, *Musca segnis* Linnaeus (Coquillett, 1910a:621). Suppressed by I.C.Z.N., 1963:339.
- Helophilus* Meigen, 1803:273. Type-species, *Musca sylvarum* Linnaeus (mon.).
- Eumeros* Meigen, 1803:273. Type-species, *Musca segnis* Linnaeus (Coquillett, 1910a:541).
- XYLOTA Meigen, 1822:211 (nom. nov. for *Helophilus*). Type-species, *Musca sylvarum* Linnaeus (aut.) [In order to preserve established usage, we have followed Wirth, et al., 1965:604, in using *Xylota* instead of its senior synonyms, *Helophilus* and *Eumeros*.]
- ANALIS Williston, 1887b:226. Type-locality: U.S.A., California & New Mexico. Distr. — Canada (British Columbia) to U.S.A. (Colorado), south to Mexico (Durango). Types ♂ ♀ USNM.



- AZUREA (Fluke), 1953a:126 (*Heliophilus*). Type-locality: U.S.A., New Mexico, Clouderoft. Distr. — U.S.A. (New Mexico); Mexico (Durango). Type ♂ UK.
- BRACHYGASTER Williston, 1892:72. Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft. Distr. — same. Type ♂ BM(NH).
- FLAVIFRONS Walker, 1849:557. Type-locality: Canada, Ontario, Hudson's Bay, Albany River, St. Martin's Falls. Distr. — Alaska to Labrador, south to Canada (British Columbia) and U.S.A. (Pennsylvania); ?Mexico [Giglio-Tos, 1893:26, as *communis* Walker]. Types ♂ ♀ BM(NH).
- communis* Walker, 1849:557. Type-locality: Canada, Ontario, Hudson's Bay, Albany River, St. Martin's Falls. Types ♂ ♀ BM(NH).
- NITIDULA (Fluke), 1939:368, fig. 8 (abdomen) (*Heliophilus*). Type-locality: Mexico, Mexico City, 10,000 ft. Distr. — same. Type ♂ AMNH*.
- PIGRA (Fabricius), 1794:295 (*Syrphus*). Type-locality: "Germany". Distr. — Holarctic; Canada (British Columbia to Quebec), south to U.S.A. (California to Florida); ?Mexico [Wirth, *et. al.*, 1965:607]. Type ? lost (Zimsen, 1964:473).
- PRETIOSA Loew, 1861:39. Type-locality: "Cuba". Distr. — same. Type ♂ MCZ. Ref. — Williston, 1887b:237 (redescription).
- STENOGASTER Williston, 1892:72. Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft. Distr. — same. Types ♂ ♀ BM(NH).
- WILLISTONI (Goot), 1964:214 (*Heliophilus*; nom. nov. for *rufipes* Williston). Distr. — Mexico.
- rufipes* Williston, 1892:71 (preocc. Loew, 1873). Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft. Types ♂ ♀ BM(NH).

Genus NEPLAS Porter

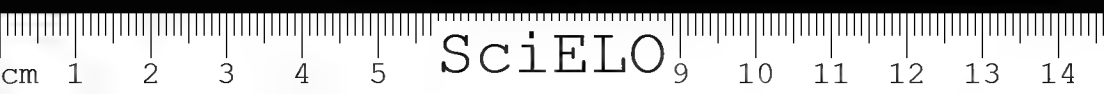
- Planes* Rondani, 1863:9 (preocc. Bowditch, 1825; Saussure, 1862). Type-species, *Xylota vagans* Wiedemann (mon.).
- NEPLAS Porter, 1927b:96 (nom. nov. for *Planes* Rondani). Type-species, *Xylota vagans* Wiedmann (aut.). Ref. — Curran, 1941 (key).
- ARIEL (Curran), 1941:302 (*Planes*). Type-locality: Brazil São Paulo. Distr. — same. Type ♀ AMNH*.
- ARMATIPES (Curran), 1941:300 (*Planes*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♂ AMNH*.
- AZTECA (Curran), 1941:303 (*Planes*). Type-locality: Honduras, Puerto Castilla. Distr. — same. Type ♀ AMNH*.
- BIDENS (Curran), 1941:300 (*Planes*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Mato Grosso, Santa Catarina). Type ♂ AMNH*.
- BOLIVIENSIS (Shannon), 1926a:44 (*Planes*). Type-locality: Bolivia, Huachi, Beni. Distr. — same. — Type ♂ USNM.
- CHLOROPS (Hull), 1948b:7 (*Planes*). Type-locality: Venezuela, San Esteban. Distr. — same. Type ♂ USNM.
- CHRYSOPRESSA (Hull), 1941d:158 (*Planes*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ Hull.
- CUPRESCENS (Hull), 1941d:159 (*Planes*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ Hull.
- FRONTALIS (Curran), 1941:302 (*Planes*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — same. Type ♂ AMNH*.
- GRANDIFEMORALIS (Curran), 1934b:402, fig. 28 (hind femur) (*Planes*). Type-locality: Guyana, Kartabo. Distr. — same. Type ♂ AMNH*.



- GRISEA (Hull), 1941e:281 (*Planes*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ Hull.
- LYRICA (Curran), 1941:301 (*Planes*). Type-locality: Panama, Canal Zone, Corozal. Distr. — same. Type ♂ AMNH*.
- MINOR (Shannon), 1926a:44 (*Planes*). Type-locality: Bolivia, Ivón, Beni. Distr. — same. Type ♀ USNM.
- PACHYMERIA (Loew), 1866a:162 (1872b:36) (*Xylota*). Type-locality: "Cuba". Distr. — Cuba, Puerto Rico. Type ♀ MCZ. Ref. — Williston, 1887b:237 (redescription).
- PALITARSIS (Curran), 1934b:404 (*Planes*). Type-locality: Guayana, Kartabo. Distr. — same. Type ♂ AMNH*.
- PANAMENA (Curran), 1941:301 (*Planes*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ AMNH*.
- PAUXILLA (Williston), 1892:71, pl. 2:9 (habitus), 9a (head), 9b (hind leg) (*Xylota*). Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft.; Xucumanatlán, 7000 ft. Distr. — same. Types ♂ ♀ BM(NH).
- PROXIMA (Hull), 1944c:38 (*Planes*). Type-locality: "West Indies?". Distr. — same. Type ♀ MCZ.
- PUMA (Curran), 1941:303 (*Planes*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ AMNH*.
- RONDANII (Shannon), 1926a:14 (*Planes*). Type-locality: Costa Rica, San Mateo, Higuito. Distr. — same. Type ♂ USNM.
- SAPPHIRINA Hull, 1951c:185. Type-locality: Peru, Chanchamayo. Distr. — same. Type ♂ Hull.
- SCHILDII (Shannon), 1926a:15 (*Planes*). Type-locality: Costa Rica, San Mateo, Higuito. Type ♂ USNM.
- SMARTI (Curran), 1941:302 (*Planes*). Type-locality: Guyana, Kaieteur. Distr. — same. Type ♂ BM(NH)*.
- VAGABONDANS (Hull), 1941c:62 (*Planes*). Type-locality: Colombia, Restrepo. Distr. — same. Type ♂ Hull.
- VAGANS (Wiedemann), 1830:101 (*Xylota*). Type-locality: Brazil. Distr. — Panama, Guyana, Brazil (Pará). Type ♀ VMNH.
americana Schiner, 1868:367 (*Syritta*). Type-locality: "South America". Type ♂ VMNH*.
mexicana Bigot, 1884a:539 (*Syritta*). Type-locality: "Mexico". Type ♂ BM(NH)*.
- VALERIA (Hull), 1941e:282 (*Planes*). Type-locality: Brazil, São Paulo. Distr. — same. Type ♂ Hull.
- WILLISTONI (Shannon), 1926a:14 (*Planes*). Type-locality: Mexico, Sierra Madre, Chihuahua, about 7300 ft. Distr. — same. Type ♂ USNM.

Genus CERIOGASTER Williston

- CERIOGASTER Williston, 1888:285. Type-species, *fascithorax* Williston (mon.).
Zonemyia Shannon, 1925a:109. Type-species, *spinosa* Shannon (orig. des.).
- ARETHUSA Hull, 1944j:42. Type-locality: Surinam, Paramaribo, Agricultural Station 'Wolfenbuttel'. Distr. — same. Type ♂ CU*.
- AUREOPILA Hull, 1941h:314. Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♀ Hull.
- FASCITHORAX Williston, 1888:286 (as *foscithorax*; emendation by Kertész, 1910:308; Curran, 1930f:10). Type-locality: Brazil, Mato Grosso: Corumbá & Rio de Janeiro. Distr. — same. Types ♂ ♀ AMNH*.
fuscithorax, Shannon, 1926a:50, misspelling.
foscithorax, Shannon, 1927a:6, misspelling.



- FUNEBRIS Hull, 1944b:11. Type-locality: Guyana, Essequibo River, Moraballi Creek. Distr. — same. Type ♂ BM(NH).
- HINEI Thompson (nom. nov. for *transversa* Hine). Distr. — Honduras. NOM. NOV.
- transversa* Hine, 1913:208 (*Myiolepta*; preocc. Walker, 1857). Type-locality: Honduras, Puerto Cortez. Type ♂ OhSU.
- LATITARSATA (Macquart), 1842:133 (73), pl. 14, fig. 1 (habitus), 1a (head) (*Xylota*). Type-locality: “?South America”. Distr. — same. Type ♂ MNHN. N. COMB.
- PANAMENSIS Curran, 1930f:10. Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — same. Type ♂ AMNH*.
- RUDIS Hull, 1944j:43. Type-locality: Panama, Changuinola Dist. Distr. — same. Type ♂ CU.
- SCUTELLATA Curran, 1934b:405. Type-locality: Guyana, Kartabo. Distr. — same. Type ♂ AMNH*.
- SPINOSA (Shannon), 1925a:109 (*Zonemyia*). Type-locality: Panama, Trinidad River. Distr. — same. Type ♂ USNM.
- TRANSVERSA (Walker), 1857:153 (*Syritta*). Type-locality: “Valley of Amazon”. Distr. — same. Type ♂ BM(NH).

Genus MACROMETOPIA Philippi

- MACROMETOPIA Philippi, 1865:740. Type-species, *atra* Philippi (mon.).
- ATRA Philippi, 1865:740. Type-locality: Chile, Corral. Distr. — Chile (Santiago — Bío Bío), Argentina (Neuquén). Type(s) ? MNHNS. Ref. — Hull, 1949d:365, fig. 22i (head).

Genus STERPHUS Philippi

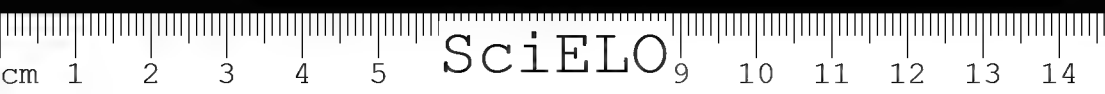
- STERPHUS Philippi, 1865:737. Type-species, *autumnalis* Philippi (mon.) = *coeruleus* Rondani.
- Stherphus*, Fluke, 1957:106, misspelling.

Subgenus STERPHUS Philippi

- AURIFRONS Shannon, 1926a:46. Type-locality: Chile, Juan Fernández Islands. Distr. — same. Type ♂ BM(NH).
- COERULEUS (Rondani), 1863:8 (*Xylota*). Type-locality: “Chile”. Distr. — Chile, Argentina (Neuquén). Type ♂ MIZUN. Ref. — Shannon & Aubertin, 1933:155, fig. 33 (head).
- autumnalis* Philippi, 1865:782. Type-locality: Chile, Prov. Valdivia. Type(s) ? MNHNS.
- antennalis* Philippi, 1865:737, incorrect original spelling (1st revisor, Lynch Arribálzaga, 1892b:191).
- aurifacies* Schiner, 1868:360 (*Xylota*). Type-locality: “Chile”. Types ? VMNH*. N. SYN.

Subgenus CREPIDOMYIA Shannon

- CREPIDOMYIA Shannon, 1926a:47 (as genus). Type-species, *tricrepis* Shannon (orig. des.).



- Tatuomyia* Shannon, 1926a:48 (as genus). Type-species, *batesi* Shannon (orig. des.).
- Senoceria* Hull, 1930:144 (as genus). Type-species, *spinifemorata* Hull (orig. des.) = *coarctatus* Wiedemann.
- Mutillimya* Hull, 1943b:139 (as genus). Type-species, *Cerio-gaster auricaudata* Williston (orig. des.).
- Willistonimya* Hull, 1943b:140, incorrect original spelling of *Mutillimya* Hull.
- AURICAUDATUS (Williston), 1892:73, pl. 2:10 (habitus), 10a (head) (*Cerio-gaster*). Type-locality: Mexico, Guerrero, Omiltemi, 8000 ft. Distr. — same. Types ♂ ♀ BM(NH)*. N. COMB.
- BATESI (Shannon), 1926a:48 (*Tatuomyia*). Type-locality: Brazil, Amazonas, Tefé (as Ega.) Distr. — same. Type ♂ BM(NH). N. COMB.
- CHLOROPYGA (Schiner), 1868:366 (*Xylota*). Type-locality: "Columbien". Distr. — same. Types ♂ ♀ VMNH*. N. COMB.
- COARCTATUS (Wiedemann), 1830:100 (*Xylota*). Type-locality: "Brazil". Distr. — Panama, Brazil. Type ♀ SMF*. N. COMB.
- spinifemoratus* Hull, 1930:146, figs. 2 (mesonotum), 5 (head), 6 (hind leg) (*Senoceria*). Type-locality: "Brazil". Type ♂ ANSP*.
- CYBELE (Hull), 1951c:184 (*Crepidomyia*). Type-locality: Peru, Chanchamayo. Distr. — Colombia, Peru. Type ♀ Hull*. N. COMB.
- GENUINUS (Williston), 1888:284 (*Xylota*). Type-locality: Brazil, Rio de Janeiro. Distr. — Peru, Brazil, Argentina (Tucumán). Type ♀ AMNH*. Ref. — Fluke, 1950b:449, fig. (male genitalia). N. COMB.
- PLAGIATUS (Wiedemann), 1830:98 (*Xylota*). Type-locality: "Brazil". Distr. — Guyana, Peru, Brazil (Amapá, Amazonas). Type ♀ VMNH. N. COMB.
- TINCTUS (Fluke), 1950b:453, figs. 20 (head), 21 (wing) (*Crepidomyia*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — same. Type ♀ AMNH*. N. COMB.
- TRICREPIS (Shannon), 1926a:47 (*Crepidomyia*). Type-locality: Peru, Río Charape. Distr. — Cuba, Peru, Bolivia. Type ♂ USNM*. N. COMB.
- darlingtoni* Hull, 1944c:40 (*Crepidomyia*). Type-locality: Cuba, Eastern Oriente, Mounts north of Imías, 3-4000 ft. Type ♂ MCZ*. N. SYN.
- ?dion* Hull, 1951c:183 (*Crepidomyia*). Type-locality: Peru, Chanchamayo. Type ♀ Hull*. N. SYN.

Genus ODYNEROMYIA Shannon & Aubertin

- ODYNEROMYIA Shannon & Aubertin, 1933:156. Type-species, *Doros odyneroides* Philippi (orig. des.).
- ODYNEROIDES (Philippi), 1865:747 (*Doros?*). Type-locality: Chile, Corral. Distr. — Chile, Argentina (Neuquén). Type(s) ? MNHNS.
- VALDIVIFORMIS Shannon & Aubertin, 1933:157. Type-locality: Argentina, Peulla. Type ♂ USNM.

Genus VALDIVIOMYIA Vockeroth, nom. nov.

- Valdivia* Shannon, 1927a:31 (preocc. White, 1847; Ragonot, 1888). Type-species, *darwini* Shannon (orig. des.).
- Voldivia*, Shannon, 1927a:32, incorrect original spelling [in combination of *Voldivia darwini*].



- VALDIVIOMYIA Vockeroth, nom. nov. for *Valdivia* Shannon. Type-species, *Valdivia darwini* Shannon (aut.).
Ref. — Sedman, 1965 (key).
- CAMRASI (Sedman), 1965:199, figs. 5 (head), 6-8 (male genitalia) (*Valdivia*). Type-locality: Chile, Icalma. Distr. — same. Type ♂ USNM. N. COMB.
- DARWINI (Shannon), 1927a:32 (*Voldivia*). Type-locality: Chile, Valdivia. Distr. — Chile (Bío Bío — Chiloé). Type ♂ BM(NH). Ref. — Sedman, 1965:197 (description of male), figs. 1-2 (head), 3-4 (male genitalia). N. COMB.
- EDWARDSI (Shannon & Aubertin), 1933:150 (*Valdivia*). Type-locality: Argentina, Puerto Blest. Distr. — same. Type ♂ BM(NH). N. COMB.
- NIGRA (Shannon), 1927a:32 (*Valdivia*). Type-locality: Chile, Santiago. Distr. — same. Type ♂ USNM. N. COMB.
- RUFICAUDA (Shannon), 1927a:32 (*Valdivia*). Type-locality: Chile, Santiago. Distr. — same. Type ♀ USNM. N. COMB.
- VALDIVIANA (Philippi), 1865:748 (*Ocyptamus*?). Type-locality: Chile, Valdivia. Distr. — Chile. Types ♂ ♀ MNHNS. N. COMB.
albimanus Bigot, 1883b:325 (*Ocyptamus*). Type-locality: "Chile". Type ♀ BM(NH)*. N. SYN.

Genus ANERIOPHORA Stuardo & Cortés

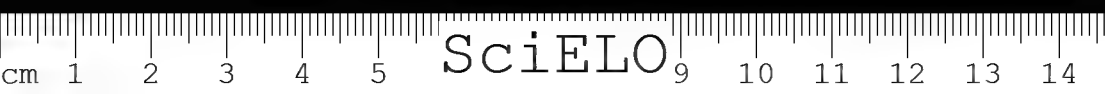
- Eriophora* Philippi, 1865:735 (preocc. Simon, 1864). Type-species, *aureorufa* Philippi (mon.).
- ANERIOPHORA Stuardo & Cortés, 1952:311 (nom. nov. for *Eriophora* Philippi). Type-species, *Eriophora aureorufa* (Philippi) (aut.).
- AUREORUFA (Philippi), 1865:736, fig. 36 (habitus) (*Eriophora*). Type-locality: Chile, Valdivia Prov. Distr. — Chile (Malleco - Aysén). Types ♂ ♀ MNHNS. Ref. — Hull, 1949d:365, figs. 22a (habitus, hind leg), 22b (antenna), 22c (head).

Genus FLUKEA Etcheverry

- FLUKEA Etcheverry, 1966:2. Type-species, *vockerothi* Etcheverry (orig. des.).
- Fluckea* Etcheverry, 1966:2, incorrect original spelling of *Flukea*.
- VOCKEROTHI Etcheverry, 1966:3, figs. 1-35 (all aspects). Type-locality: Chile, Chillán. Distr. — Chile (Ñuble — Aysén). Type ♂ UCSC.

Genus CRIORHINA Meigen

- Penthesilea* Meigen, 1800:35. Type-species, *Musca ruficauda* De Geer (sub. mon., Bezzi, in Hendel, 1908:67; misid.) = *ranunculi* Panzer. Suppressed by I.C.Z.N., 1963:339.
- CRIORHINA Meigen, 1822:236. Type-species, *Syrphus asilicus* Fallén (Westwood, 1840:136).
- Eurhinomallota* Bigot, 1882a:lxvii. Type-species, *metallica* Bigot (mon.).
- Romaleosyrphus* Bigot, 1882a:cxxix. Type-species, *villosus* Bigot (mon.). N. SYN.
- ARCTOPHILOIDES (Giglio-Tos), 1892c:7 (*Crioprora*). Type-locality: Mexico, Angang[ueoll]. Distr. — Mexico (Durango, Michoacán, Distrito Federal). Types ♂ ♀ UTOR*.



- tapeta* Fluke, 1939:369, fig. 7 (head). Type-locality: Mexico, Mexico City, 10,000 ft. Type ♂ AMNH*. N. SYN.
- METALLICA (Bigot), 1882a:lxvii (*Eurhinomallota*). Type-locality: "Mexico". Distr. — same. Type ♀ OXF*.
- VILLOSA (Bigot), 1882a:cxxix (*Romaleosyrphus*). Type-locality: Mexico. Distr. — same. Type ♂ BM(NH)*. N. COMB.

Genus PHILIPPIMYIA Shannon

- PHILIPPIMYIA Shannon, 1926a:47. Type-species, ?*Sterphus cyanocephalus* Philippi (orig. des.).
- CYANOCEPHALA (Philippi), 1865:738 (*Sterphus*?). Type-locality: Chile, Santiago. Distr. — Chile (Valparaíso — Malleco). Type ? MNHNS.

Genus BLERA Billberg

- BLERA Billberg, 1820:118. Type-species, *Musca fallax* Linnaeus (Johnson, 1911:73). Ref. — Curran, 1953:12 (key).
- PALLIPES (Bigot), 1883b:352 (*Spilomyia*). Type-locality: "Mexico". Distr. — same. Type ♀ BM(NH)*. N. COMB.

Genus SYRITTA Lepeletier & Serville

- SYRITTA Lepeletier & Serville, in Latreille, et al., 1828:808 (as a subgenus). Type-species, *Musca pipiens* Linnaeus (mon.).
- AUSTROSYRITTA Marnef, 1967:268. Type-species, *cortesi* Marnef (orig. des.) = *flaviventris* Macquart.
- FLAVIVENTRIS Macquart, 1842:135 (75). Type-locality: "Senegal". Distr. — Africa, southern Europe; Chile, Argentina, Brazil. Type ♂ MNHN*.
- cortesi* Marnef, 1967:269, fig. b (4th sternum of male) (*Austrosyritta*). Type-locality: Chile, Valparaíso, Con-Con. Type ♂ UCVC.
- PIPIENS (Linnaeus), 1758:594 (*Musca*). Type-locality: "Europe". Distr. — Holarctic, Asia Minor, North Africa; Mexico (Durango, Chihuahua). Type ? ? Ref. — Williston, 1887b:240 (description); pl. 12:1 (wing), 1a (hind leg), 1b + c (head).

Genus SENOGASTER Macquart

- SENOGASTER Macquart, 1834:519. Type-species, *coerulescens* Macquart (mon.) = *dentipes* Fabricius.
- ACROCHORDONODES Bigot, 1878:xcii. Type-species, *vittatus* Bigot (mon.) = *dentipes* Fabricius.
- Stenogaster*, Agassiz, 1846:338, 351, emendation.
- DENTIPES (Fabricius), 1787:338 (*Syrphus*). Type-locality: "Cajennae". Distr. — Surinam, Brazil. Type ? Kiel [destroyed, Zimsen, 1964:473]. Ref. — Williston, 1887b:239 (description), pl. 11:1 (habitus), 1a (wing), 1b (head); Hull, 1949d:366, figs. 23j (habitus), 23k (hind leg), 23l (abdomen), 23m (head).
- lineata* Fabricius, 1805:194 (*Milesia*). Type-locality: "America meridionali". Type ♀ MC*.
- coerulescens* Macquart, 1834:519. Type-locality: "Exotique". Type ♂ OXF*.

- vittata* Bigot, 1878:xcvii (*Acrochordonodes*). Type-locality: "Cayenne". Type ♀ OXF*.
- comstocki* Williston, 1882b:326. Type-locality: U.S.A., New York [error]. Type ♂ USNM.
- var. *RUFOFEMORATA* Doesburg, 1966:97. Type-locality: Surinam, Paramaribo & Houttuin. Distr. — same. Types ♂ ♀ Doesburg.

Genus TROPIDIA Meigen

- TROPIDIA Meigen, 1822:346. Type-species, *Eristalis milesiformis* Fallén (Curtis, 1832:pl. 401) = *scita* Harris.
- Ortholophus* Bigot, 1882a:cxxix. Type-species, *notatus* Bigot (mon.). Ref. — Shannon & Aubertin, 1933:152 (key).
- FLAVIMANA Philippi, 1865:745. Type-locality: Chile, Santiago. Distr. — Chile, Argentina (Mendoza). Type ♂ MNHNS.
- INSULARIS Lynch Arribálzaga, 1892a:238 (1892c:94). Type-locality: Argentina, "Insula Antequera". Distr. — same. Types ♂ ♀ MACN.
- NIGRICORNIS Philippi, 1865:745. Type-locality: Chile, Santiago. Distr. — Chile. Type ♂ MNHNS.
- bivittata* Bigot, 1884a:547 (*Xylota*). Type-locality: "Chile". Type ♀ BM(NH).
- NOTATA (Bigot), 1882a:cxxix (*Ortholophus*). Type-locality: "Chile". Distr. — Chile, Argentina. Type ♂ BM(NH)*.
- PULCHRA Hull, 1944j:52. Type-locality: Argentina, Mendoza, Potrerillos. Distr. — same. Type ♂ CU.
- RUBRICORNIS Philippi, 1865:744. Type-locality: Chile, Colchagua Prov. Distr. — same. Type ♂ MNHNS.

Genus MILEZIA Latreille

- MILEZIA Latreille, 1804:194. Type-species, *Syrphus crabroniformis* Fabricius (Williston, 1887b:254) to preserve established usage. [see Thompson, 1972:176]. Ref. — Hull, 1924 (key).
- BELLA Townsend, 1897e:142. Type-locality: U.S.A., New Mexico, Rio Ruidoso, 4 miles west of Dowling's Mill, 6600 ft. Distr. — U.S.A. (Arizona, New Mexico); Mexico (Durango). Types ♂ ♀ BM(NH).
- NIGRA Fluke, 1939:371, fig. 11 (abdomen). Type-locality: Panama, Chiriquí, El Volcán. Distr. — same. Type ♂ AMNH*.
- PULCHRA Williston, 1892:74, pl. 2:11 (habitus), 11a (head). Type-locality: Guatemala, Purula; Vera Paz, Senahú. Distr. — same. Types ♂ BM(NH).
- SCUTELLATA Hull, 1924:280. Type-locality: U.S.A., Mississippi, Mississippi Agricultural & Mechanical College. Distr. — U.S.A. (Louisiana to North Carolina, south to Florida); Panama (Canal Zone). Type ♂ Hull.
- VIRGINIENSIS (Drury), 1773:71, pl. 37, fig. 6 & index, p. 2 (*Musca*). Type-locality: U.S.A., Virginia. Distr. — U.S.A. (Minnesota) to Canada (Ontario), south to U.S.A. (Texas & Florida); Mexico (Nuevo León), ?Guadeloupe [Macquart, 1842:141 (81)]. Type ? ?



Genus SPILOMYIA Meigen

- SPILOMYIA** Meigen, 1803:273. Type-species, *Musca diophthalma* Linnaeus (Coquillett, 1910b:617). Ref. — Curran, 1951 (key).
- EPHIPPIUM** (Osten-Sacken), 1875:70 (*Mixtemyia*). Type-locality: "Mexico". Distr. — same. Type ♂ MCZ*. Ref. — Williston, 1887b:249 (re-description).
- GRATIOSA** Wulp, 1888:372. Type-locality: Argentina, Tucumán Prov. Distr. — Brazil (São Paulo), Argentina (Tucumán). Type ♀ lost?
- KAHLI** Snow, 1895b:245. Type-locality: U.S.A., New Mexico, Magdalena Range, "near summit of 'Little Baldy'". Distr. — U.S.A. (Arizona, Texas, New Mexico); Mexico (Chihuahua). Type ♂ UK [Byers, *et al.*, 1962:168].
- LONGICORNIS** Loew, 1872a:82 (1872b:258). Type-locality: U.S.A., Massachusetts, Pennsylvania, Texas. Distr. — Canada (Quebec) west to U.S.A. (Minnesota, south to Texas & Florida); Mexico [Wirth, *et al.*, 1965:613]. Types ♂ ♀ MCZ*.
- OBSCURA** Coquillett, 1902:195. Type-locality: Mexico, Chihuahua, Sierra Madre, Head of Río Piedras Verdes, 7300 ft. Distr. — same. Types ♂ ♀ USNM.
- PLEURALIS** Williston, 1887b:247. Type-locality: "Mexico". Distr. — same. Type ♂ MCZ*.

Genus STILBOSOMA Philippi

- STILBOSOMA** Philippi, 1865:736. Type-species, *rubiceps* Philippi (Shannon, 1926a:45).
- CYANEUM** Philippi, 1865:736. Type-locality: Chile, Santiago & Valdivia Provs. Distr. — Chile (Santiago — Aysén), Argentina (Neuquén). Types ? MNHNS. Ref. — Shannon & Aubertin, 1933:154, figs. 31 (head), 32 (wing).
- nigrinervis* Philippi, 1865:737. Type-locality: Chile, Valdivia Prov. Type ? MNHNS.
- nigricorne*, Williston, 1886:322, misspelling.
- RUBICEPS** Philippi, 1865:738. Type-locality: Chile, Santiago. Distr. — Chile (Santiago — Cautín). Type ? MNHNS.
- ruficeps*, Williston, 1886:322, misspelling.

Genus HEMIXYLOTA Shannon & Aubertin

- HEMIXYLOTA** Shannon & Aubertin, 1933:146. Type-species, *varipes* Shannon & Aubertin (orig. des.). Ref. — Shannon & Aubertin, 1933:146 (key).
- INCERTA** Shannon & Aubertin, 1933:148. Type-locality: Argentina, Lake Nahuel Huapi, Puerto Blest. Distr. — same. Type ♀ BM(NH).
- UNICOLOR** Shannon & Aubertin, 1933:148. Type-locality: Argentina, Ensenada. Distr. — Chile (Malleco), Argentina (Neuquén). Type ♀ BM(NH).
- VARIPES** Shannon & Aubertin, 1933:146, fig. 30 (head). Type-locality: Argentina, Puerto Blest. Distr. — Argentina (Neuquén). Type ♂ BM(NH).



Unplaced species of XYLOTINI

- MONTENSIS Hull, 1938:122, figs. 1 (head), 12 (antenna) (*Nosodepus*).
Type-locality: Venezuela, Aragua, Colonia Tovar, 6000-7000 ft.
Distr. — same. Type ♀ CM.

UNRECOGNIZED NEOTROPICAL SYRPIDAE

Genus PIA Philippi

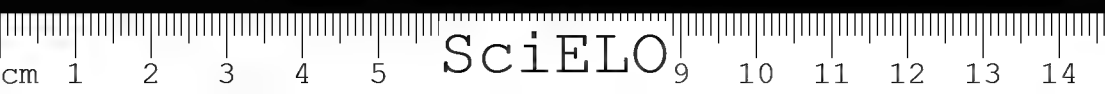
- PIA Philippi, 1865:742. Type-species, *cyanea* Philippi (mon.).
CYANEA Philippi, 1865:742, fig. 40 (habitus), 40a (head). Type-locality:
Chile, Illapel. Type ♂ MNHNS (lost?-FCT).

UNRECOGNIZED SPECIES

- CHIRAGRA Fabricius, 1805:198 (*Merodon*). Type-locality: "America meridionali". Type ? lost (Zimsen, 1964:474).
CYANESCENS Macquart, 1834:511 (*Helophilus*). Type-locality: "Brazil".
Type ? MNHN (not found — JRV).
FLAVA Sack, 1941:117 (*Ceratophya*). Type-locality: Peru, Rosalina on Río Urubamba. Type ♀ MD.
GAGATHINA Bigot, 1887: lxxix (*Priomerus*). Type-locality: Ecuador, Loja.
Type ♀ ? (not found at either OXF or BM(NH) — JRV & FCT).
NUBECULOSUS Wulp, 1888:372 (*Pterallastes*). Type-locality: Argentina, Prov. Tucumán. Type ♂ lost?

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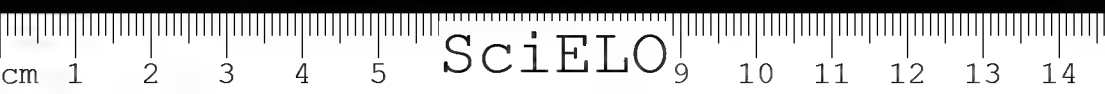
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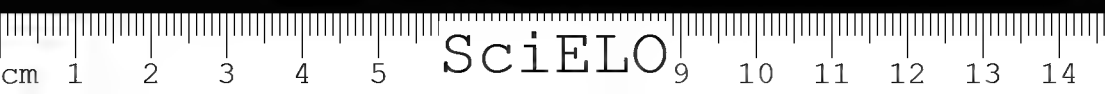
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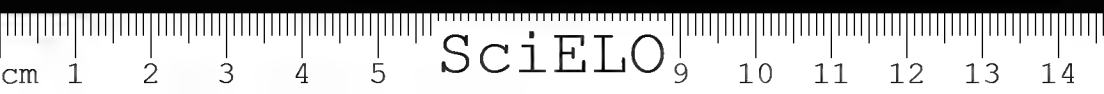


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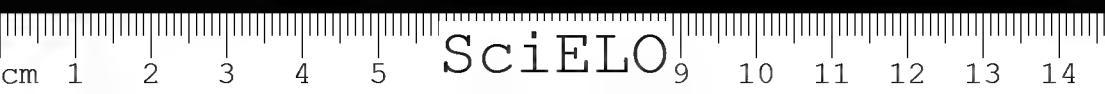


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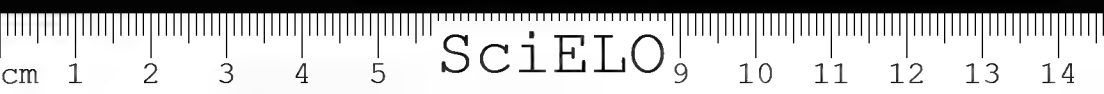
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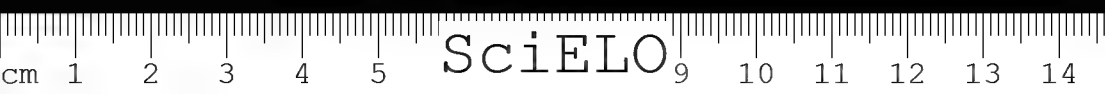
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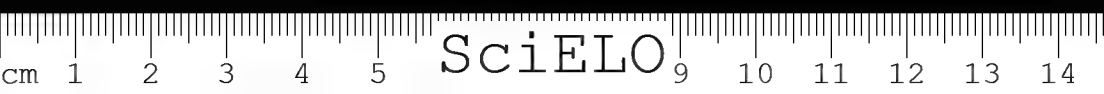
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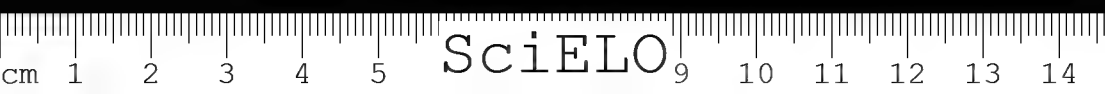
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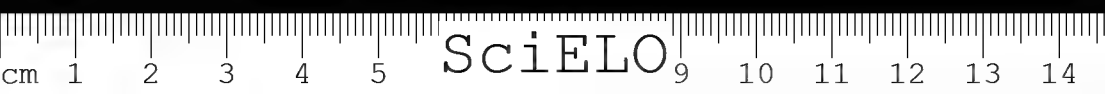
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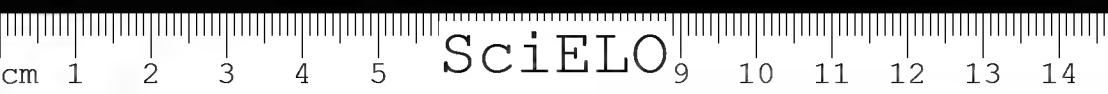
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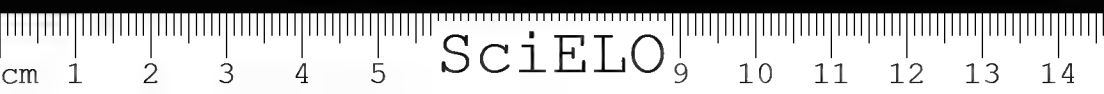
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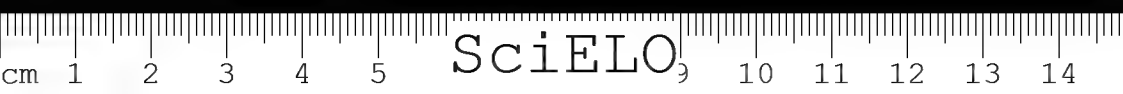
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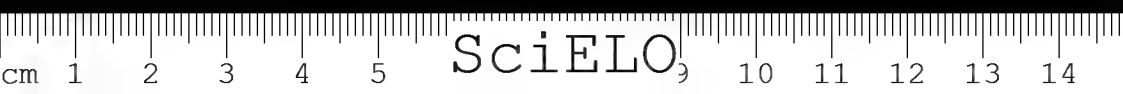
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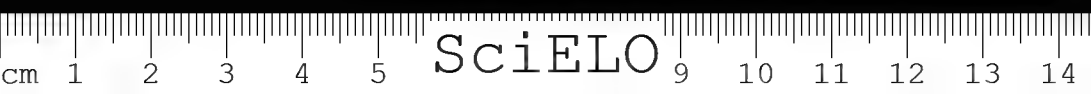
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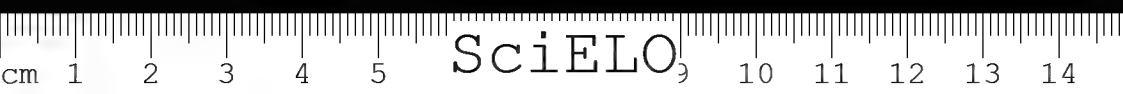


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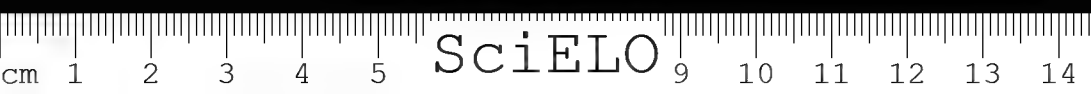
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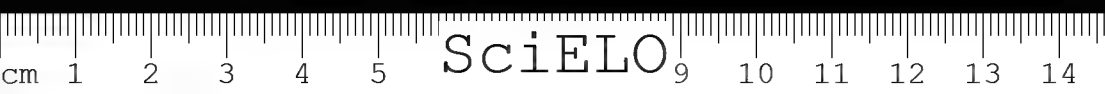
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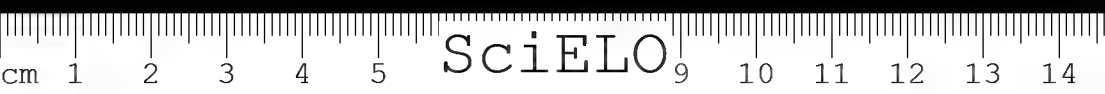
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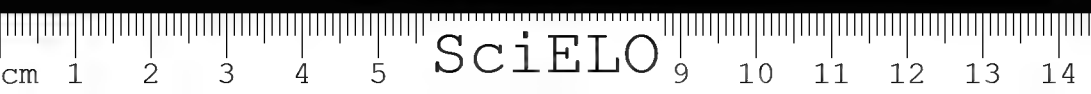
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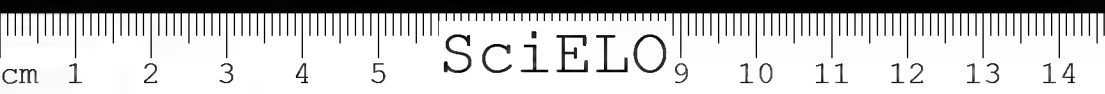
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<i>bilineata</i> Enderlein, 1938, Allograpta	46.34
<i>billineella</i> Enderlein, 1938, Allograpta	46.34
<i>biluminiferus</i> Hull, 1944, Microdon	46.64
<i>bimaculata</i> (Bigot), 1883 (Priomerus), Palpada	46.109
<i>bimaculata</i> Enderlein, 1938, Allograpta	46.36
<i>bimaculatum</i> (Sack), 1941 (Phalacromyia), Copestylum	46.72
<i>binominatum</i> (Goot), 1964 (Volucella), Copestylum	46.72
<i>bipunctatum</i> (Hull), 1941 (Phalacromyia), Copestylum	46.72
<i>bipunctatus</i> (Hull), 1943 (Mesogramma), Toxomerus	46.48
<i>bipunctifrons</i> Curran, 1934, Salpingogaster	46.31
<i>bipunctipennis</i> (Hull), 1942 (Baccha), Leucopodella	46.46
<i>bisinterrupta</i> (Enderlein), 1938 (Fazia), Allograpta	46.34
<i>bisinuatus</i> Williston, 1891, Syrphus	46.8
<i>bispina</i> Hull, 1943, Microdon	46.64
<i>bistellata</i> (Hull), 1935 (Eristalis), Palpada	46.103
<i>bistriga</i> (Bigot), 1884 (Mesograpta?), Toxomerus	46.48
<i>bistrigata</i> Aldrich, 1905, Toxomerus	46.48
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<i>bivittatus</i> (Curran), 1941 (Baccha), Ocytamus	46.13
<i>Blera</i> Billberg, 1820	46.119
<i>boabdilla</i> (Hull), 1947 (Baccha), Leucopodella	46.46
<i>boadicea</i> (Hull), 1943 (Baccha), Leucopodella	46.46
<i>bogotensis</i> Macquart, 1842, Eristalis	46.101
<i>bolivariensis</i> (Fluke), 1945 (Melanostoma), Rhysops	46.42
<i>boliviana</i> (Kertész), 1903 (Ceria), Sphiximorpha	46.93
<i>bolivianum</i> (Hine), 1914 (Volucella), Copestylum	46.72
<i>boliviensis</i> (Shannon), 1926 (Planes), Neplas	46.114
<i>boliviensis</i> (Shannon), 1927 (Halictomyia), Trichopsomyia	46.68
<i>bombusoides</i> Giglio-Tos, 1892, Eristalis	46.102
<i>bonariensis</i> (Brèthes), 1905 (Baccha), Ocytamus	46.13
<i>bonariensis</i> Lynch Arribálzaga, 1891, Microdon	46.64
<i>bonariensis</i> Lynch Arribálzaga, 1892, Nausigaster	46.92
<i>boracei</i> (Papavero), 1962 (Ceratophya), Argentinomyia	46.57
<i>borgmeieri</i> Lane & Carrera, 1944, Quichuana	46.98
<i>boscii</i> (Macquart), 1842 (Syrphus), Toxomerus	46.49
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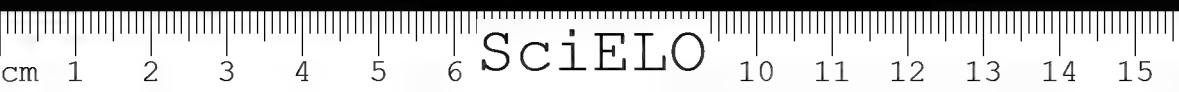
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<i>camposi</i> (Curran), 1939 (Volucella), Copestylum	46.73
<i>camrasi</i> (Sedman), 1965 (Valdivia), <i>Valdiviomyia</i>	46.118
<i>canusium</i> (Walker), 1849 (Milesia), <i>Meromacrus</i>	46.111
<i>capitatus</i> (Loew), 1863 (Baccha), <i>Ocyptamus</i>	46.14
<i>capitis</i> (Curran), 1925 (Cerioides), <i>Polybiomyia</i>	46.95
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<i>carlota</i> (Curran), 1929 (Baccha), <i>Ocyptamus</i>	46.14
<i>carmelita</i> (Hull), 1948 (Baccha), <i>Leucopodella</i>	46.46
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<i>carpenteri</i> (Hull), 1945 (<i>Ceratophya</i>), <i>Argentinomyia</i>	46.57
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<i>carrerae</i> (Papavero), 1962 (<i>Masarygus</i>), <i>Microdon</i>	46.61
<i>Carreramyia</i> Doesburg, 1966	46.61
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<i>catabomba</i> (Williston), 1891 (<i>Melanostoma</i>), <i>Rhysops</i>	46.42
<i>catharinensis</i> (Enderlein), 1938 (Pipiza), <i>Trichopsomyia</i>	46.68
<i>cecrops</i> (Hull), 1958 (Baccha), <i>Ocyptamus</i>	46.14
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<i>Cerioides</i> Rondani, 1850	46.93
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<i>championi</i> (Williston), 1892 (<i>Mallota</i>), <i>Quichuana</i>	46.98
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<i>chapadensis</i> (Curran), 1930 (Baccha), <i>Ocyptamus</i>	46.14
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<i>chilensis</i> (Goot), 1964 (<i>Syrphus</i>), <i>Scaeva</i>	46.9
<i>chilensis</i> (Philippi), 1865 (<i>Eristalis</i>), <i>Palpada</i>	46.104
<i>chilensis</i> Sack, 1941, <i>Allograpta</i>	46.37
<i>chilensis</i> (Walker), 1837, <i>Dolichogyna</i>	46.97
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<i>chlorops</i> (Hull), 1948 (<i>Planes</i>), <i>Neplas</i>	46.114
<i>chloropyga</i> (Schiner), 1868 (<i>Xylota</i>), <i>Sterphus</i>	46.117
<i>chlorosum</i> (Hull), 1930 (<i>Volucella</i>), <i>Copestylum</i>	46.73
<i>Chromocheilosia</i> Hull & Fluke, 1950	46.90
<i>chrysidiformis</i> (Hull), 1944 (<i>Chrysidimya</i>), <i>Microdon</i>	46.64
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<i>circumscriptum</i> (Curran), 1939 (<i>Volucella</i>), <i>Copestylum</i>	46.73
<i>claracuneus</i> (Hull), 1942 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.49
<i>clarapex</i> (Wiedemann), 1830 (<i>Syrphus</i>), <i>Ocyptamus</i>	46.14
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<i>claripenne</i> (Curran), 1925 (<i>Phalacromyia</i>), <i>Copestylum</i>	46.73
<i>claripennis</i> (Hine), 1914 (<i>Mixogaster</i>), <i>Microdon</i>	46.64
<i>claripennis</i> (Hull), 1949 (<i>Eristalis</i>), <i>Palpada</i>	46.104
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<i>costalis</i> (Walker), 1852 (<i>Amathia</i>), <i>Salpingogaster</i>	46.31
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<i>crepusculata</i> (Hull), 1946 (<i>Lepidostola</i>), <i>Lepidomyia</i>	46.88
<i>cressoni</i> (Hull), 1930 (<i>Cacomyia</i>), <i>Cacoceria</i>	46.91
<i>Criorhina</i> Meigen, 1822	46.118
<i>Criorthrinx</i> Hull, 1949	46.100
<i>crocatus</i> (Austen), 1893 (<i>Baccha</i>), <i>Ocyptamus</i>	46.15
<i>croceimaculata</i> (Jacobs), 1900 (<i>Eristalis</i>), <i>Palpada</i>	46.104
<i>croceipes</i> (Bigot), 1880 (<i>Eristalomyia</i>), <i>Palpada</i>	46.104
<i>croceus</i> (Austen), 1893 (<i>Baccha</i>), <i>Ocyptamus</i>	46.15
<i>crockeri</i> (Curran), 1934 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.49
<i>croesus</i> (Hull), 1940 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.49
<i>cruciatum</i> Bigot, 1884, <i>Melanostoma</i>	46.42
<i>cruciatum</i> (Hull), 1943 (<i>Volucella</i>), <i>Copestylum</i>	46.74
<i>crucifer</i> Bigot, 1847, <i>Meromacrus</i>	46.111
<i>cruciger</i> (Wiedemann), 1830 (<i>Milesia</i>), <i>Meromacrus</i>	46.111
<i>crypticus</i> (Hull), 1942 (<i>Baccha</i>), <i>Ocyptamus</i>	46.15
<i>Cryptineura</i> Bigot, 1859	46.91
<i>cubana</i> Curran, 1932, <i>Allograpta</i>	46.34
<i>cubanus</i> Fluke, 1936, <i>Xanthandrus</i>	46.44
<i>cubanus</i> (Hull), 1943 (<i>Baccha</i>), <i>Ocyptamus</i>	46.15
<i>cubensis</i> Curran, 1932, <i>Mixogaster</i>	46.58
<i>cubensis</i> (Macquart), 1850 (<i>Baccha</i>), <i>Ocyptamus</i>	46.15
<i>cubensis</i> (Macquart), 1842 (<i>Eristalis</i>), <i>Palpada</i>	46.103
<i>cubomaculatum</i> (Hull), 1937 (<i>Volucella</i>), <i>Copestylum</i>	46.74
<i>cultratus</i> (Austen), 1893 (<i>Baccha</i>), <i>Ocyptamus</i>	46.15
<i>cultrinus</i> (Curran), 1939 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16
<i>cuprescens</i> (Hull), 1941 (<i>Planes</i>), <i>Neplas</i>	46.114
<i>cupricolor</i> (Hull), 1948 (<i>Volucella</i>), <i>Copestylum</i>	46.74
<i>cuprinus</i> (Bigot), 1884 (<i>Mesogramma</i> ?), <i>Toxomerus</i>	46.53
<i>curiosum</i> (Curran), 1939 (<i>Volucella</i>), <i>Copestylum</i>	46.74
<i>currani</i> (Fluke), 1951 (<i>Volucella</i>), <i>Copestylum</i>	46.74
<i>currani</i> Fluke, 1937, <i>Rhysops</i>	46.43
<i>currani</i> Fluke, 1937, <i>Trichopsomyia</i>	46.68
<i>currani</i> Goot, 1964, <i>Microdon</i>	46.64

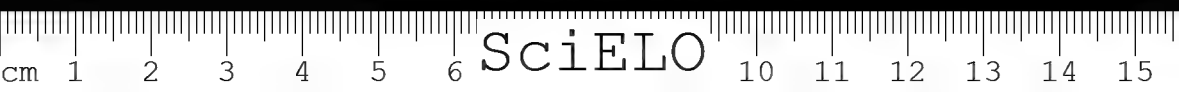


<i>currani</i> Hull, 1942, <i>Meromacrus</i>	46.112
<i>currani</i> Hull, 1954, <i>Mixogaster</i>	46.58
<i>currani</i> (Hull), 1941 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16
<i>curvipes</i> (Wiedemann), 1830 (<i>Merodon</i>), <i>Polydontomyia</i>	46.96
<i>cyanea</i> Philippi, 1865, <i>Pia</i>	46.122
<i>cyaneifera</i> (Walker), 1849 (<i>Eristalis</i>), <i>Palpada</i>	46.109
<i>cyaneiventris</i> (Macquart), 1846 (<i>Aphritis</i>), <i>Microdon</i>	46.64
<i>cyaneocincta</i> Bigot, 1885 (<i>Melanostoma</i>)	46.47
<i>cyanescens</i> Macquart, 1834 (<i>Helophilus</i>)	46.122
<i>cyanescens</i> (Macquart), 1842 (<i>Volucella</i>), <i>Copestylum</i>	46.74
<i>cyaneum</i> Philippi, 1865, <i>Stilbosoma</i>	46.121
<i>cyaneus</i> Perty, 1830, <i>Microdon</i>	46.64
<i>cyancephala</i> (Philippi), 1865 (<i>Sterphus</i>), <i>Philippimyia</i>	46.119
<i>cyanoproctum</i> (Curran), 1939 (<i>Volucella</i>), <i>Copestylum</i>	46.74
<i>cyanoprora</i> (Curran), 1939 (<i>Volucella</i>), <i>Copestylum</i>	46.74
<i>cyanovenstris</i> , Williston, 1886, <i>Microdon</i>	46.64
<i>cyatheus</i> (Hull), 1925 (<i>Eristalis</i>), <i>Palpada</i>	46.109
<i>cybele</i> (Hull), 1947 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16
<i>cybele</i> (Hull), 1951 (<i>Crepidomyia</i>), <i>Sterphus</i>	46.117
<i>cyclops</i> (Hull), 1947 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16
<i>cylindricus</i> (Fabricius), 1781 (<i>Syrphus</i>), <i>Ocyptamus</i>	46.16
<i>cylindrica</i> (Say), 1824 (<i>Syrphus</i>), <i>Sphaerophoria</i>	46.38
<i>cymbellina</i> (Hull), 1944 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16
<i>cyrillus</i> (Hull), 1951 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.49
<i>dactylopiana</i> Blanchard, 1938, <i>Salpingogaster</i>	46.33
<i>danaida</i> (Hull), 1943 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16
<i>daphnaeus</i> (Walker), 1849 (<i>Ceria</i>), <i>Monoceromyia</i>	46.94
<i>darlingtoni</i> (Hull), 1944 (<i>Crepidomyia</i>), <i>Sterphus</i>	46.117
<i>darwini</i> (Shannon), 1927 (<i>Valdivia</i>), <i>Valdiviomyia</i>	46.118
<i>Dasysyrphus</i> Enderlein, 1938	46.10
<i>debasa</i> (Curran), 1941 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16
<i>deceptor</i> (Curran), 1925 (<i>Phalacromyia</i>), <i>Copestylum</i>	46.74
<i>deceptor</i> (Curran), 1930 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16
<i>decemmaculatus</i> Rondani, 1863 (<i>Syrphus</i>)	46.39
<i>decipiens</i> (Williston), 1891 (<i>Syrphus</i>), <i>Ocyptamus</i>	46.16
<i>decora</i> (Perty), 1830 (<i>Eristalis</i>), <i>Palpada</i>	46.104
<i>decorus</i> (Loew), 1866 (<i>Pteroptila</i>), <i>Meromacrus</i>	46.112
<i>dejongi</i> Doesburg, 1958, <i>Allograpta</i>	46.37
<i>delicatissimus</i> (Hull), 1943 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16
<i>delicatula</i> (Hull), 1943 (<i>Baccha</i>), <i>Leucopodella</i>	46.46
<i>delicatululus</i> Hull, 1937, <i>Paramicrodon</i>	46.57
<i>delila</i> (Hull), 1950 (<i>Volucella</i>), <i>Copestylum</i>	46.74
<i>delimbata</i> Enderlein, 1938, <i>Allograpta</i>	46.34
<i>delineatus</i> Macquart, 1846 (<i>Syrphus</i>)	46.39
<i>dentipes</i> (Fabricius), 1787 (<i>Syrphus</i>), <i>Senogaster</i>	46.119
<i>Desmetrum</i> Enderlein, 1938	46.91
<i>diabilis</i> (Hull), 1935 (<i>Eristalis</i>), <i>Palpada</i>	46.104
<i>diana</i> Hull, 1943, <i>Salpingogaster</i>	46.31
<i>diana</i> (Hull), 1947 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16
<i>diaphanus</i> Sack, 1921, <i>Microdon</i>	46.64
<i>dichopticum</i> Thompson, <i>Copestylum</i>	46.74
<i>dichroicum</i> (Giglio-Tos), 1892 (<i>Volucella</i>), <i>Copestylum</i>	46.74
<i>Dideomima</i> Vockeroth, 1969	46.10
<i>difficilis</i> (Curran), 1930 (<i>Mesogramma</i>) <i>Toxomerus</i>	46.49
<i>diffusus</i> (Curran), 1939 (<i>Baccha</i>), <i>Ocyptamus</i>	46.16



<i>dimidiata</i> Giglio-Tos, 1892, <i>Mixogaster</i>	46.58
<i>dimidiatus</i> (Fabricius), 1781 (Syrphus), <i>Ocyptamus</i>	46.16
<i>diminuta</i> (Walker), 1849 (Eristalis), <i>Palpada</i>	46.104
<i>dimitiata</i> , Fluke, 1957, <i>Mixogaster</i>	46.58
<i>dimorphium</i> (Curran), 1939 (Volucella), <i>Copestylum</i>	46.74
<i>Dimorphomyia</i> Bigot, 1885	46.96
<i>dion</i> (Hull), 1951 (Crepidomyia), <i>Sterphus</i>	46.117
<i>dionysianna</i> (d'Andretta & Carrera), 1952 (Lepidostola), <i>Lepidomyia</i>	46.88
<i>Dioprosopa</i> Hull, 1949	46.10
<i>discale</i> (Curran), 1926 (Volucella), <i>Copestylum</i>	46.75
<i>discretum</i> (Frey), 1946 (Melanostoma), <i>Rhysops</i>	46.43
<i>disjunctus</i> (Sack), 1921 (Doros), <i>Ocyptamus</i>	46.17
<i>dispar</i> Fabricius, 1794 (Syrphus)	46.39
<i>dispar</i> (Macquart), 1846 (Volucella), <i>Copestylum</i>	46.75
<i>distinctum</i> Giglio-Tos, 1892, <i>Copestylum</i>	46.78
<i>distinguenda</i> (Wiedemann), 1830 (Eristalis), <i>Palpada</i>	46.104
<i>diversifasciatus</i> (Knab), 1914 (Syrphus), <i>Ocyptamus</i>	46.17
<i>diversum</i> (Fluke), 1951 (Volucella), <i>Copestylum</i>	46.71
<i>diversus</i> (Giglio-Tos), 1892 (Mesogramma), <i>Toxomerus</i>	46.50
<i>diversus</i> (Williston), 1891 (Syrphus), <i>Ocyptamus</i>	46.17
<i>dives</i> (Rondani), 1848 (Aphritis), <i>Microdon</i>	46.65
<i>divisa</i> (Walker), 1857 (Pipiza), <i>Ocyptamus</i>	46.16
<i>Dolichogyna</i> Macquart, 1842	46.97
<i>Doliosyrphus</i> Bigot, 1882	46.102
<i>dolorosa</i> (Hull), 1941 (Sarolepta), <i>Myolepta</i>	46.89
<i>dolorosa</i> Hull, 1946, <i>Quichuana</i>	46.98
<i>dolorosus</i> (Hull), 1950 (Baccha), <i>Ocyptamus</i>	46.17
<i>dolosa</i> (Walker), 1857 (Pipiza), <i>Ocyptamus</i>	46.16
<i>dolosa</i> (Williston), 1891 (Baccha), <i>Ocyptamus</i>	46.30
<i>Dolysyrphus</i> , Bigot, 1883	46.102
<i>doris</i> (Curran), 1930 (Eristalis), <i>Palpada</i>	46.105
<i>dorothea</i> (Hull), 1942 (Eristalis), <i>Palpada</i>	46.105
<i>dorsale</i> (Wiedemann), 1830 (Volucella), <i>Copestylum</i>	46.75
<i>dracaena</i> (Curran), 1947 (Volucella), <i>Copestylum</i>	46.75
<i>draco</i> Hull, 1942, <i>Meromacrus</i>	46.112
<i>dracula</i> (Hull), 1943 (Baccha), <i>Ocyptamus</i>	46.17
<i>druida</i> (Hull), 1947 (Baccha), <i>Ocyptamus</i>	46.17
<i>dryope</i> (Hull), 1958 (Baccha), <i>Ocyptamus</i>	46.17
<i>dubium</i> (Bigot), 1884 (Penium), <i>Pipiza</i>	46.68
<i>dubium</i> (Zetterstedt), 1838 (Scaeva), <i>Melanostoma</i>	46.42
<i>duida</i> (Curran), 1930 (Volucella), <i>Copestylum</i>	46.75
<i>duida</i> (Hull), 1947 (Baccha), <i>Ocyptamus</i>	46.17
<i>duplicatus</i> (Wiedemann), 1830 (Syrphus), <i>Toxomerus</i>	46.50
<i>duplofasciata</i> Enderlein, 1938, <i>Allograpta</i>	46.34
<i>eblis</i> (Hull), 1943 (Styxia), <i>Ocyptamus</i>	46.17
<i>ectypus</i> (Say), 1829 (Syrphus), <i>Toxomerus</i>	46.50
<i>ecuadorea</i> (Fluke), 1951 (Volucella), <i>Copestylum</i>	46.72
<i>ecuadoreus</i> (Hull), 1943 (Mesogramma), <i>Toxomerus</i>	46.50
<i>ecuadoriensis</i> (Fluke), 1945 (Melanostoma), <i>Carposcalis</i>	46.41
<i>edwardsi</i> (Shannon & Aubertin), 1933 (Melanostoma), <i>Carposcalis</i>	46.41
<i>edwardsi</i> (Shannon & Aubertin), 1933 (Valdivia), <i>Valdiviomyia</i>	46.118
<i>Edwardsiella</i> Hull, 1941	46.100
<i>elegans</i> (Blanchard), 1852 (Eristalis), <i>Palpada</i>	46.105
<i>elegans</i> (Giglio-Tos), 1892 (Melanostoma), <i>Ocyptamus</i>	46.17

<i>elisa</i> (Hull), 1951 (Mesogramma), <i>Toxomerus</i>	46.50
<i>elnora</i> (Shannon), 1927 (Calostigma), <i>Ocyptamus</i>	46.17
<i>elongata</i> (Hull), 1943 (Microdon), <i>Argentinomyia</i>	46.57
<i>elongatus</i> (Hull), 1941 (Mesogramma), <i>Toxomerus</i>	46.50
<i>Elophilus</i> Meigen, 1803	46.101
<i>emeralda</i> (Hull), 1943 (Volucella), <i>Copestylum</i>	46.75
<i>emeralda</i> Hull, 1943, <i>Microdon</i>	46.64
<i>emilia</i> (Curran), 1939 (Volucella), <i>Copestylum</i>	46.75
<i>Eosalpingogaster</i> Hull, 1949	46.32
<i>Eoseristalis</i> Kanervo, 1938	46.101
<i>ephippium</i> (Osten Sacken), 1875 (Mixtemyia), <i>Spilomyia</i>	46.121
<i>erebus</i> (Hull), 1943 (Baccha), <i>Ocyptamus</i>	46.17
<i>Eriophora</i> Philippi, 1865	46.118
<i>Eriops</i> Lioy, 1864	46.101
<i>Eristalini</i>	46.96
<i>Eristalis</i> Latreille, 1804	46.101
<i>Eristaloides</i> Rondani, 1845	46.101
<i>Eristalomya</i> Rondani, 1857	46.101
<i>ernesta</i> (Curran), 1926 (Volucella), <i>Copestylum</i>	46.75
<i>ernestina</i> (Curran), 1930 (Volucella), <i>Copestylum</i>	46.75
<i>erratica</i> (Curran), 1930 (Eristalis), <i>Palpada</i>	46.105
<i>erraticus</i> (Williston), 1888 (Syrphus), <i>Ocyptamus</i>	46.17
<i>eruptova</i> (Hull), 1943 (Baccha), <i>Ocyptamus</i>	46.17
<i>escomeli</i> (Curran), 1929 (Volucella), <i>Copestylum</i>	46.75
<i>estebana</i> (Townsend), 1895 (Volucella), <i>Copestylum</i>	46.78
<i>estrelita</i> (Hull), 1948 (Baccha), <i>Leucopodella</i>	46.46
<i>esuriens</i> (Fabricius), 1794 (Syrphus), <i>Copestylum</i>	46.75
<i>euceratus</i> (Bigot), 1884 (Melanostoma), <i>Xanthandrus</i>	46.45
<i>eugenia</i> (Williston), 1887 (Volucella), <i>Copestylum</i>	46.75
<i>euglossoides</i> Gray, 1832, <i>Microdon</i>	46.65
<i>Eumerini</i>	46.92
<i>Eumeros</i> Meigen, 1803	46.113
<i>Eumerus</i> Meigen, 1822	46.92
<i>Eumicrodon</i> Curran, 1925	46.59
<i>Eumyiolepta</i> Shannon, 1921	46.89
<i>cupeltata</i> (Bigot), 1884 (Syrphus), <i>Allograpta</i>	46.34
<i>Eupeodes</i> Osten Sacken, 1877	46.9
<i>Eurhinomallota</i> Bigot, 1882	46.118
<i>eurydice</i> (Hull), 1951 (Mesogramma), <i>Toxomerus</i>	46.50
<i>Euryptercsyrphus</i> Barretto & Lane, 1947	46.g7
<i>eutristis</i> Curran, 1925, <i>Microdon</i>	46.64
<i>evansi</i> Thompson, 1968, <i>Myiolepta</i>	46.90
<i>excavatus</i> Rondani, 1850 (Syrphus)	46.39
<i>exeugenia</i> (Curran), 1953 (Volucella), <i>Copestylum</i>	46.75
<i>exiguus</i> (Williston), 1888 (Baccha), <i>Ocyptamus</i>	46.18
<i>exinanita</i> (Gmelin), 1790 (Musca), <i>Syrphus</i>	46.39
<i>exotica</i> (Wiedemann), 1830 (Syrphus), <i>Allograpta</i>	46.34
<i>expicta</i> (Walker), 1860 (Eristalis), <i>Palpada</i>	46.105
<i>externum</i> (Curran), 1939 (Volucella), <i>Copestylum</i>	46.75
<i>extrapolatus</i> (Hull), 1943 (Mesogramma), <i>Toxomerus</i>	46.50
<i>facialis</i> (Thomson), 1869 (Baccha), <i>Pseudodoros</i>	46.11
<i>facialis</i> (Kertész), 1903 (Ceria), <i>Sphiximorpha</i>	46.93
<i>falcata</i> Fluke, 1942, <i>Allograpta</i>	46.35
<i>falcatus</i> Williston, 1887, <i>Microdon</i>	46.64
<i>familiaris</i> (Walker), 1860 (Eristalis), <i>Palpada</i>	46.105



<i>fasciata</i> Curran, 1932, <i>Allograpta</i>	46.35
<i>fasciata</i> Macquart, 1842, <i>Dolichogyna</i>	46.97
<i>fasciata</i> (Sack), 1941 (<i>Myiatropa</i>), <i>Quichuana</i>	46.98
<i>fasciata</i> (Wiedemann), 1819 (<i>Eristalis</i>), <i>Palpada</i>	46.105
<i>fasciatum</i> (Macquart), 1842 (<i>Volucella</i>), <i>Copestylum</i>	46.87
<i>fasciatus</i> (Hull), 1948 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.52
<i>fasciatus</i> Roeder, 1885, <i>Ocyptamus</i>	46.18
<i>fasciatus</i> Walker, 1849, <i>Helophilus</i>	46.96
<i>fasciculata</i> (Curran), 1938 (<i>Eristalis</i>), <i>Palpada</i>	46.105
<i>fascifrons</i> (Macquart), 1846 (<i>Syrphus</i>), <i>Allograpta</i>	46.35
<i>fascithorax</i> (Macquart), 1850 (<i>Eristalis</i>), <i>Palpada</i>	46.109
<i>fascithorax</i> Williston, 1888, <i>Cerogaster</i>	46.115
<i>fasciventris</i> Rondani, 1850 (<i>Syrphus</i>)	46.39
<i>fastigatus</i> Fluke, 1945, <i>Rhysops</i>	46.43
<i>fax</i> (Townsend), 1895 (<i>Volucella</i>), <i>Copestylum</i>	46.78
<i>Fazia</i> Shannon, 1927	46.33
<i>felix</i> (Shannon), 1927 (<i>Baccha</i>), <i>Ocyptamus</i>	46.22
<i>femina</i> (Curran), 1930 (<i>Volucella</i>), <i>Copestylum</i>	46.85
<i>femorata</i> (Macquart), 1842 (<i>Eristalis</i>), <i>Palpada</i>	46.106
<i>femoratus</i> Shannon, 1927, <i>Alipumilio</i>	46.92
<i>fenestrata</i> (Macquart), 1842 (<i>Syrphus</i>), <i>Carposcalis</i>	46.41
<i>fenestratus</i> Bigot, 1885, <i>Ocyptamus</i>	46.19
<i>fenestratus</i> Hull, 1943, <i>Microdon</i>	46.64
<i>fenestratus</i> (Hull), 1949 (<i>Baccha</i>), <i>Ocyptamus</i>	46.19
<i>ferroxida</i> (Hull), 1942 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.52
<i>fervidus</i> (Austen), 1893 (<i>Baccha</i>), <i>Ocyptamus</i>	46.18
<i>fervida</i> (Fluke), 1945 (<i>Melanostoma</i>), <i>Talahua</i>	46.45
<i>festivus</i> Fluke, 1945, <i>Rhysops</i>	46.43
<i>fiametta</i> (Hull), 1943 (<i>Baccha</i>), <i>Ocyptamus</i>	46.18
<i>fili</i> (Doesburg), 1966 (<i>Baccha</i>), <i>Ocyptamus</i>	46.18
<i>filiolus</i> (Shannon), 1927 (<i>Baccha</i>), <i>Ocyptamus</i>	46.18
<i>filissimus</i> (Hull), 1943 (<i>Baccha</i>), <i>Ocyptamus</i>	46.18
<i>flammarius</i> (Hull), 1943 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.48
<i>flammeus</i> (Hull), 1941 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.50
<i>flatus</i> (Hull), 1940 (<i>Baccha</i>), <i>Ocyptamus</i>	46.18
<i>flava</i> Sack, 1941 (<i>Ceratophya</i>)	46.122
<i>flavens</i> (Austen), 1893 (<i>Baccha</i>), <i>Ocyptamus</i>	46.18
<i>flavibucca</i> Enderlein, 1938, <i>Allograpta</i>	46.35
<i>flavicornis</i> (Philippi), 1865 (<i>Baccha</i>), <i>Ocyptamus</i>	45.25
<i>flavifacies</i> Shannon, 1927, <i>Habromyia</i>	46.100
<i>flavifrons</i> Walker, 1849, <i>Xylota</i>	46.114
<i>flavigaster</i> Hull, 1944 (<i>Syrphus</i>)	46.39
<i>flavimana</i> Philippi, 1865, <i>Tropidia</i>	46.120
<i>flavipenne</i> (Wiedemann), 1830 (<i>Volucella</i>), <i>Copestylum</i>	46.75
<i>flavipennis</i> Curran, 1925, <i>Microdon</i>	46.64
<i>flavipennis</i> (Macquart), 1842 (<i>Eristalis</i>), <i>Palpada</i>	46.105
<i>flavipennis</i> (Wiedemann), 1830 (<i>Syrphus</i>), <i>Ocyptamus</i>	46.18
<i>flavipes</i> (Carrera, Lopes & Lane), 1947 (<i>Schizoceratomyia</i>), <i>Microdon</i>	46.61
<i>flavipes</i> (Enderlein), 1938 (<i>Posthosyrphus</i>), <i>Metasyrphus</i>	46.9
<i>flavipes</i> (Philippi), 1865 (<i>Penium</i>), <i>Pipiza</i>	46.67
<i>flavipes</i> (Philippi), 1865 (<i>Sterphus</i>), <i>Pipiza</i>	46.67
<i>flavipes</i> (Shannon & Aubertin), 1933 (<i>Scaeva</i>), <i>Syrphus</i>	46.8
<i>flavipleura</i> Hull, 1943, <i>Toxomerus</i>	46.50
<i>flaviplurus</i> (Hall), 1927 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.50
<i>flavissimum</i> (Giglio-Tos), 1892 (<i>Volucella</i>), <i>Copestylum</i>	46.75



<i>flavitibia</i> (Walker), 1952 (Ubristes), <i>Microdon</i>	46.61
<i>flaviventre</i> Macquart, 1846, <i>Copestylum</i>	46.75
<i>flaviventris</i> Macquart, 1842, <i>Syritta</i>	46.119
<i>flavocaudatus</i> Bigot, 1882, <i>Asemostryphus</i>	46.97
<i>flavocuneus</i> (Hull), 1940 (Mesogramma), <i>Toxomerus</i>	46.48
<i>flavofascium</i> Curran, 1925, <i>Microdon</i>	46.65
<i>flavolinea</i> Hull, 1949, <i>Meromacrus</i>	46.112
<i>flavoluna</i> Hull, 1943, <i>Microdon</i>	46.65
<i>flavomaculata</i> Hull, 1937, <i>Allograpta</i>	46.33
<i>flavomaculatus</i> Shannon, 1927, <i>Xanthandrus</i>	46.44
<i>flavomarginatus</i> Curran, 1925, <i>Microdon</i>	46.65
<i>flavophylla</i> (Hull), 1943 (Rhinoprosopa), <i>Allograpta</i>	45.35
<i>flavopocula</i> (Hull), 1948 (Mesogramma), <i>Toxomerus</i>	46.47
<i>flavoscutellata</i> (Hull), 1937 (Eristalis), <i>Palpada</i>	46.105
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<i>flavus</i> Hull, 1941 (Mesogramma), <i>Toxomerus</i>	46.50
<i>Flexineura</i> Bezzi, 1908	46.31
<i>floccula</i> Hull, 1944, <i>Habromyia</i>	46.100
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<i>Fluckea</i> Etcheverry, 1966	46.118
<i>Flukea</i> Etcheverry, 1966	46.118
<i>flukei</i> Curran, 1936, <i>Allograpta</i>	46.35
<i>flukei</i> Curran, 1936, <i>Meromacrus</i>	46.112
<i>flukei</i> (Curran), 1936 (Microdon), <i>Paramicrodon</i>	46.57
<i>flukei</i> (Curran), 1936 (Volucella), <i>Copestylum</i>	46.76
<i>flukei</i> (Curran), 1941 (Salpingogaster), <i>Ocyptamus</i>	46.18
<i>flukei</i> Curran, 1941, <i>Nausigaster</i>	46.92
<i>flukei</i> (Hull), 1943 (Baccha), <i>Ocyptamus</i>	46.24
<i>flukei</i> Hull, 1954, <i>Mixogaster</i>	46.58
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<i>fosicithorax</i> Shannon, 1927, <i>Cerogaster</i>	46.115
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<i>fractum</i> (Curran), 1926 (Volucella), <i>Copestylum</i>	46.76
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<i>fraudator</i> Shannon, 1927, <i>Microdon</i>	46.61
<i>fraudulentum</i> (Williston), 1891 (Volucella), <i>Copestylum</i>	46.76
<i>frauenfeldi</i> (Schiner), 1868 (Temnocera), <i>Copestylum</i>	46.76
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<i>frontalis</i> (Curran), 1941 (Planes), <i>Neplas</i>	46.114
<i>frontosa</i> (Bigot), 1884 (Cartosyrphus), <i>Cheliosia</i>	46.69
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<i>fulvicauda</i> Bigot, 1884, <i>Sphaerophoria</i>	46.38



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<i>fulvipes</i> (Bigot), 1880 (Eristalis), Palpada	46.105
<i>fulvitaris</i> (Rondani), 1863 (Eristalis), Palpada	46.105
<i>fulvolucens</i> (Walker), 1852 (Temnocera), Copestylum	46.76
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<i>funebri</i> Hull, 1944, Ceriogaster	46.116
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<i>funereus</i> Shannon & Aubertin, 1933, Meromacrus	46.112
<i>funescens</i> (Williston), 1886 (Eristalis), Palpada	46.106
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<i>fuscicosta</i> Lynch Arribálzaga, 1891, Ocyptamus	46.18
<i>fuscipenne</i> (Macquart), 1842 (Volucella), Copestylum	46.76
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<i>fuscipennis</i> (Say), 1823 (Baccha), Ocyptamus	46.19
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<i>fuscithorax</i> Shannon, 1926, Ceriogaster	46.115
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<i>gracilis</i> (Williston), 1891 (<i>Baccha</i>), <i>Leucopodella</i>	46.46
<i>grandifemoralis</i> (Curran), 1934 (<i>Planes</i>), <i>Neplas</i>	46.114
<i>grandis</i> Lynch Arribálzaga, 1892, <i>Argentinomyia</i>	46.57
<i>granditibialis</i> Fluke, 1937, <i>Trichopsomyia</i>	46.68
<i>granulatum</i> (Hull), 1944 (<i>Volucella</i>), <i>Copestylum</i>	46.76
<i>granulatus</i> Curran, 1940, <i>Microdon</i>	46.65
<i>gratiosa</i> Wulp, 1888, <i>Spilomyia</i>	46.121
<i>gratus</i> (Curran), 1941 (<i>Baccha</i>), <i>Ocyptamus</i>	46.19
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<i>grisea</i> (Hull), 1941 (<i>Planes</i>), <i>Neplas</i>	46.115
<i>griseus</i> Giglio-Tos, 1892, <i>Asemosyrphus</i>	46.97
<i>guadelupensis</i> Macquart, 1842, <i>Eristalis</i>	46.102
<i>guentherii</i> (Lynch Arribálzaga), 1891 (<i>Holmbergia</i>), <i>Microdon</i> ..	46.60
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<i>gundlachi</i> (Loew), 1866 (<i>Eristalis</i>), <i>Palpada</i>	46.106
<i>guttifer</i> (Hull), 1943 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.50
<i>guttulata</i> Hull, 1942, <i>Sphaerophoria</i>	46.38
<i>guyanensis</i> (Goot), 1964 (<i>Eristalis</i>), <i>Palpada</i>	46.106
<i>haagii</i> (Jaennicke), 1867 (<i>Volucella</i>), <i>Copestylum</i>	46.76
<i>Habromyia</i> Williston, 1888	46.100
<i>haemorrhoidalis</i> (Philippi), 1865 (<i>Priomerus</i>), <i>Myolepta</i>	46.90
<i>hagii</i> Williston, 1887, <i>Copestylum</i>	46.77
<i>hahni</i> (Bigot), 1888 (<i>Helophilus</i>), <i>Dolichogyna</i>	46.97
<i>halcyon</i> Hull, 1940, <i>Salpingogaster</i>	46.31
<i>halcyone</i> (Hull), 1949 (<i>Baccha</i>), <i>Ocyptamus</i>	46.19
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<i>hambletoni</i> (Fluke), 1951 (<i>Volucella</i>), <i>Copestylum</i>	46.77
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<i>harlequinus</i> (Hull), 1948 (<i>Baccha</i>), <i>Ocyptamus</i>	46.19
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<i>harrisi</i> Curran, 1925, <i>Rhingia</i>	46.69
<i>hastata</i> Fluke, 1942, <i>Allograpta</i>	46.35
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<i>heraldicus</i> (Bigot), 1884 (<i>Mesograpta?</i>), <i>Toxomerus</i>	46.50
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<i>hermetia</i> Curran, 1936, <i>Microdon</i>	46.65
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<i>hinei</i> Hull, 1942, <i>Meromacrus</i>	46.112
<i>hinei</i> Fluke, 1951, <i>Dolichogyna</i>	46.97
<i>hinei</i> Thompson, <i>Cerogaster</i>	46.116
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<i>hirsutops</i> Hull, 1949, <i>Pipiza</i>	46.68
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<i>hirtipes</i> (Hull), 1943 (<i>Baccha</i>), <i>Ocyptamus</i>	46.23
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<i>inornatus</i> (Walker), 1837 (<i>Baccha</i>), <i>Ocyptamus</i>	46.20
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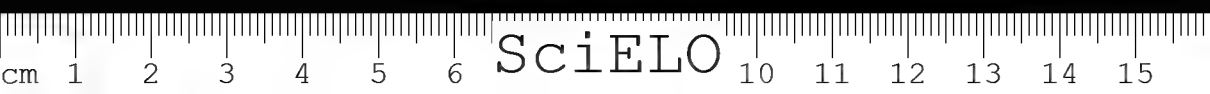


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<i>ortalina</i> Wulp, 1888, <i>Lepidomyia</i>	46.89
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<i>Orthoneura, auctorum</i>	46.90
<i>Orthonevra</i> Macquart, 1829	46.90
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<i>pallidum</i> (Macquart), 1842 (<i>Volucella</i>), <i>Copestylum</i>	46.81
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panamensis (Curran), 1930 (Mesogramma), Toxomerus	46.53
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<i>tropicus</i> (Curran), 1937 (<i>Melanostoma</i>), <i>Rhysops</i>	46.44
<i>Tropidia</i> Meigen, 1822	46.120
<i>Tuberculanostoma</i> Fluke, 1943	46.45
<i>tuberculata</i> Carrera, Lopes & Lane, 1947, <i>Nausigaster</i>	46.93
<i>tuberculata</i> Williston, 1888, <i>Trichopsomyia</i>	46.68
<i>tuberculatus</i> Rondani, 1857, <i>Eumerus</i>	46.92
<i>Tubifera</i> Meigen, 1800	46.101
<i>tubularius</i> (Hull), 1942 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.55
<i>tucumana</i> Enderlein, 1938, <i>Allograpta</i>	46.38
<i>tumicephalum</i> (Hull), 1943 (<i>Volucella</i>), <i>Copestylum</i>	46.85
<i>tympanitis</i> (Fabricius), 1805 (<i>Syrphus</i>), <i>Copestylum</i>	46.85
<i>Ubristes</i> Walker, 1852	46.61
<i>ulcana</i> (Enderlein), 1938 (<i>Pipiza</i>), <i>Trichopsomyia</i>	46.68
<i>ulopodus</i> (Hull), 1944 (<i>Ubristes</i>), <i>Microdon</i>	46.62
<i>ulrica</i> (Hull), 1957 (<i>Baccha</i>), <i>Ocyptamus</i>	46.29
<i>ulrica</i> (Hull), 1950 (<i>Volucella</i>), <i>Copestylum</i>	46.86
<i>ultimus</i> (Hull), 1951 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.55
<i>una</i> (Hull), 1943 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.55
<i>uncinata</i> Hull, 1945, <i>Salpingogaster</i>	46.32
<i>undecimpunctatus</i> (Enderlein), 1938 (<i>Mitrosphen</i>), <i>Toxomerus</i> ..	46.55
<i>unicolor</i> (Curran), 1925 (<i>Volucella</i>), <i>Copestylum</i>	46.86
<i>unicolor</i> Shannon & Aubertin, 1933, <i>Hemixylota</i>	46.121
<i>unicolor</i> (Walker), 1837 (<i>Syrphus</i>), <i>Carposcalis</i>	46.41
<i>unicolor</i> (Wulp), 1883 (<i>Eristalis</i>), <i>Meromacrus</i>	46.113
<i>unilectum</i> (Walker), 1860 (<i>Temnocera</i>), <i>Copestylum</i>	46.86
<i>unimaculata</i> Townsend, 1897, <i>Nausigaster</i>	46.93
<i>unipunctatum</i> (Curran), 1926 (<i>Volucella</i>), <i>Copestylum</i>	46.86
<i>urania</i> (Hull), 1949 (<i>Baccha</i>), <i>Ocyptamus</i>	46.29
<i>urania</i> Hull, 1949, <i>Salpingogaster</i>	46.32
<i>urania</i> Hull, 1949, <i>Trichopsomyia</i>	46.68
<i>uranus</i> (Hull), 1951 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.56
<i>urotaenia</i> (Curran), 1930 (<i>Eristalis</i>), <i>Palpada</i>	46.110
<i>ursula</i> (Hull), 1947 (<i>Baccha</i>), <i>Ocyptamus</i>	46.29
<i>ursula</i> Hull, 1949, <i>Quichuana</i>	46.99
<i>uvarum</i> (Walker), 1849 (<i>Eristalis</i>), <i>Palpada</i>	46.110
<i>vacum</i> (Fabricius), 1775 (<i>Syrphus</i>), <i>Copestylum</i>	46.86
<i>vagabondans</i> (Hull), 1941 (<i>Planes</i>), <i>Neplas</i>	46.115
<i>vagans</i> (Wiedemann), 1830 (<i>Xylota</i>), <i>Neplas</i>	46.115
<i>vagoides</i> (Curran), 1927 (<i>Volucella</i>), <i>Copestylum</i>	46.86
<i>vagum</i> (Wiedemann), 1830 (<i>Volucella</i>), <i>Copestylum</i>	46.86
<i>valdesi</i> (Fluke), 1950 (<i>Mesogramma</i>), <i>Toxomerus</i>	46.56
<i>Valdivia</i> Shannon, 1927	46.117
<i>valdiviana</i> (Philippi), 1865 (<i>Baccha</i>), <i>Ocyptamus</i>	46.15
<i>valdiviana</i> (Philippi), 1865 (<i>Ocyptamus</i>), <i>Valdiviomyia</i>	46.118
<i>valdiviformis</i> Shannon & Aubertin, 1933, <i>Odyneromyia</i>	46.117
<i>Valdiviomyia</i> Vockeroth	46.117,
<i>valeria</i> (Hull), 1941 (<i>Planes</i>), <i>Neplas</i>	46.115
<i>valeria</i> (Hull), 1944 (<i>Volucella</i>), <i>Copestylum</i>	46.86
<i>vampyrum</i> (Hull), 1942 (<i>Volucella</i>), <i>Copestylum</i>	46.86
<i>vampyrus</i> (Hull), 1943 (<i>Baccha</i>), <i>Ocyptamus</i>	46.29
<i>vanda</i> (Hull), 1943 (<i>Baccha</i>), <i>Ocyptamus</i>	46.29

vanessa (Hull), 1949 (Baccha), Ocyptamus	46.29
vanessa (Hull), 1951 (Mesogramma), Toxomerus	46.56
vanzolinii d'Andretta & Carrera, 1952, Nausigaster	46.93
varia (Walker), 1849 (Baccha), Pseudodoros	46.11
variabilis (Kertész), 1903 (Ceria), Sphiximorpha	46.94
variabilis (Wulp), 1883 (Mesograpt), Toxomerus	46.48
varians (Bigot), 1875 (Volucella), Copestylum	46.86
varichaetum (Curran), 1925 (Phalacromyia), Copestylum	46.86
variegatum (Bigot), 1875 (Volucella), Copestylum	46.86
variegatus (Macquart), 1842 (Baccha), Ocyptamus	46.29
varipes Shannon & Aubertin, 1933, Hemixylota	46.121
vatus (Walker), 1852 (Syrphus), Toxomerus	46.56
ventana (Fluke), 1951 (Volucella), Copestylum	46.86
venusta Curran, 1927, Allograpt	46.38
vera (Hull), 1942 (Volucella), Copestylum	46.86
vera (Hull), 1943 (Baccha), Ocyptamus	46.29
vera Hull, 1944, Salpingogaster	46.32
vera (Hull), 1949 (Eristalis), Palpada	46.110
verdigaster (Hull), 1943 (Volucella), Copestylum	46.86
verona (Curran), 1941 (Baccha), Ocyptamus	46.29
verralli (Williston), 1892 (Ceria), Monoceromyia	46.94
vertebratus Rondani, 1863 (Syrphus)	46.40
verticalis (Curran), 1927 (Mesogramma), Toxomerus	46.56
verticallis, Hull, 1943, Toxomerus	46.56
vesiculosum (Fabricius), 1865 (Syrphus), Copestylum	46.80
vespuccius (Hull), 1943 (Baccha), Ocyptamus	46.29
veve (Hull), 1942 (Mesogramma), Toxomerus	46.56
vicina (Kertész), 1902 (Ceria), Sphiximorpha	46.94
vicinum (Bigot), 1883 (Phalacromyia), Copestylum	46.86
vicinus (Macquart), 1846 (Syrphus), Toxomerus	46.56
victoria (Hull), 1942 (Baccha), Ocyptamus	46.29
vierecki (Curran), 1930 (Baccha), Ocyptamus	46.29
vierecki (Curran), 1930 (Eristalis), Palpada	46.110
vierecki (Curran), 1930 (Mesogramma), Toxomerus	46.56
vierecki (Curran), 1925 (Volucella), Copestylum	46.86
Viereckomyia Curran, 1925	46.70
villarica (Fluke), 1951 (Volucella), Copestylum	46.86
villosa (Bigot), 1882 (Romaleosyrphus), Criorhina	46.119
villosus Hull, 1949, Meromacrus	46.113
vinetorum (Fabricius), 1798 (Syrphus), Palpada	46.110
viola (Hull), 1944 (Volucella), Copestylum	46.86
violacea (Macquart), 1842 (Volucella), Ornidia	46.70
violaceum (Say), 1830 (Volucella), Copestylum	46.79
violaceum (Curran), 1930 (Megametopon), Copestylum	46.74
violaceus (Curran), 1926 (Mesogramma), Toxomerus	46.56
violaceus (Hull), 1943 (Baccha), Ocyptamus	46.29
violaceus (Macquart), 1842 (Aphritis), Microdon	46.67
violens Townsend, 1895, Microdon	46.67
virescens (Williston), 1891 (Phalacromyia), Copestylum	46.86
virga (Fluke), 1942 (Epistrophe), Ocyptamus	46.29
virgata Austen, 1893, Salpingogaster	46.32
virgilio (Hull), 1942 (Baccha), Ocyptamus	46.29
virginiensis (Drury), 1773 (Musca), Milesia	46.120
virginio (Hull), 1941 (Baccha), Ocyptamus	46.29
virgo Curran, 1940, Microdon	46.67



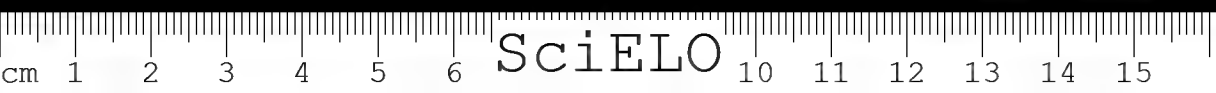
<i>virgulatus</i> (Macquart), 1850 (Syrphus), <i>Toxomerus</i>	46.56
<i>viridana</i> (Townsend), 1897 (Volucella), <i>Copestylum</i>	46.86
<i>viride</i> (Williston), 1888 (Volucella), <i>Copestylum</i>	46.87
<i>viridigaster</i> (Hull), 1943 (Volucella), <i>Copestylum</i>	46.87
<i>viridis</i> Townsend, 1895, <i>Microdon</i>	46.67
<i>viridula</i> (Bigot), 1875 (Volucella), <i>Copestylum</i>	46.86
<i>viridula</i> (Walker), 1860 (Temnocera), <i>Copestylum</i>	46.87
<i>virtuosa</i> (Hull), 1942 (Volucella), <i>Copestylum</i>	46.87
<i>vitrea</i> (Hull), 1949 (Volucella), <i>Copestylum</i>	46.87
<i>vitrescens</i> (Hull), 1930 (Mesogramma), <i>Toxomerus</i>	46.56
<i>vitreus</i> (Hull), 1941 (Mesogramma), <i>Toxomerus</i>	46.56
<i>vitripenne</i> (Curran), 1934 (Volucella), <i>Copestylum</i>	46.87
<i>vitripennis</i> Meigen, 1822, <i>Syrphus</i>	46.8
<i>vittata</i> (Bigot), 1878 (Acrochordonodes), <i>Senogaster</i>	46.120
<i>vittata</i> (Hull), 1937 (Meromacrus), <i>Habromyia</i>	46.101
<i>vittatum</i> Thompson, <i>Copestylum</i>	46.87
<i>vittifacium</i> (Hull), 1943 (Volucella), <i>Copestylum</i>	46.87
<i>vittiger</i> (Hull), 1949 (Baccha), <i>Ocyptamus</i>	46.30
<i>vittipes</i> (Curran), 1941 (Cerioides), <i>Monoceromyia</i>	46.94
<i>vittithorax</i> (Hull), 1937 (Braziliana), <i>Rhyops</i>	46.43
<i>vockerothi</i> Etcheverry, 1966, <i>Flukea</i>	46.118
<i>volatica</i> (Williston), 1888 (Eristalis), <i>Palpada</i>	46.107
<i>volcanus</i> (Fluke), 1942 (Epistrophe), <i>Ocyptamus</i>	46.30
<i>Voldivia</i> Shannon, 1927	46.117
<i>Volosyrpha</i> Shannon, 1929	46.70
<i>Volucellini</i>	46.69
<i>volucelloides</i> (Bigot), 1884 (Glaurotricha), <i>Copestylum</i>	46.87
<i>Volucellosia</i> Curran, 1930	46.70
<i>volucre</i> (Giglio-Tos), 1892 (Volucella), <i>Copestylum</i>	46.87
<i>volucris</i> Osten Sacken, 1877, <i>Eupeodes</i>	46.9
<i>vulcan</i> (Hull), 1942 (Volucella), <i>Copestylum</i>	46.87
<i>culpina</i> Sack, 1941, <i>Mallota</i>	46.100
<i>vulta</i> (Fluke), 1951 (Volucella), <i>Copestylum</i>	46.87
<i>vulturus</i> (Hull), 1942 (Mesogramma), <i>Toxomerus</i>	46.56
<i>vulturella</i> (Hull), 1947 (Lepidostola), <i>Lepidomyia</i>	46.89
<i>walkeri</i> (Lynch Arribáizaga), 1892 (Syrphus), <i>Carposcalis</i>	46.41
<i>watsoni</i> (Curran), 1930 (Mesogramma), <i>Toxomerus</i>	46.56
<i>watsoni</i> (Curran), 1930 (Volucella), <i>Copestylum</i>	46.82
<i>wheeleri</i> Mann, 1928, <i>Microdon</i>	46.62
<i>wiedemanni</i> Enderlein, 1938, <i>Ocyptamus</i>	46.30
<i>wiedemanni</i> (Johnson), 1919 (Syrphus), <i>Metasyrphus</i>	46.9
<i>wilhelmina</i> (Doesburg), 1963 (Baccha), <i>Ocyptamus</i>	46.30
<i>willinki</i> (Fluke), 1951 (Volucella), <i>Copestylum</i>	46.87
<i>willistoni</i> Coquillett, 1902, <i>Lycastirrhyncha</i>	46.102
<i>willistoni</i> Fluke, 1942, <i>Syrphus</i>	46.8
<i>willistoni</i> (Giglio-Tos), 1893 (Sphaerophoria), <i>Allograpta</i>	46.38
<i>willistoni</i> (Goot), 1964 (Heliophilus), <i>Xylota</i>	46.114
<i>willistoni</i> Hull, 1949, <i>Cacoceria</i>	46.91
<i>willistoni</i> Mik, 1899, <i>Microdon</i>	46.67
<i>willistoni</i> (Shannon), 1926 (Planes), <i>Neplas</i>	46.115
<i>willistoni</i> (Snow), 1895 (Pelecocera), <i>Chamaesyrphus</i>	46.69
<i>willistoni</i> Thompson, <i>Ocyptamus</i>	46.30
<i>willistoni</i> (Townsend), 1895 (Eristalis), <i>Palpada</i>	46.103
<i>willistonii</i> (Lynch Arribáizaga), 1892 (Mesogramma), <i>Toxomerus</i>	46.56



<i>Willistonimyia</i> Hull, 1943	46.117
<i>wulpianus</i> (Lynch Arribáizaga), 1891 (Baccha), <i>Ocyptamus</i> ...	46.30
<i>wulpi</i> (Goot), 1964 (Volucella), <i>Copestylum</i>	46.87
<i>wulpii</i> (Williston), 1888 (Ceria), <i>Sphiximorpha</i>	46.94
<i>Xanthandrus</i> Verrall, 1901	46.44
<i>xanthaspis</i> (Wiedemann), 1830 (Eristalis), <i>Palpada</i>	46.105
<i>xanthoprosopus</i> (Barretto & Lane), 1947 (Rhoga), <i>Microdon</i>	46.60
<i>xanthopterus</i> (Wiedemann), 1830 (Syrphus), <i>Ocyptamus</i>	46.30
<i>xantippe</i> (Hull), 1949 (Baccha), <i>Ocyptamus</i>	46.30
<i>Xestoprosopa</i> Hull, 1949	46.46
<i>xipe</i> (Hull), 1942 (Volucella), <i>Copestylum</i>	46.87
<i>Xylota</i> Meigen, 1822	46.113
<i>xylotaeformis</i> (Schiner), 1868 (Mallota), <i>Habromyia</i>	46.101
<i>Xylotaeja</i> Rondani, 1845	46.89
<i>yura</i> (Curran), 1930 (Volucella), <i>Copestylum</i>	46.87
<i>zabulon</i> (Hull), 1949 (Baccha), <i>Ocyptamus</i>	46.30
<i>Zelima</i> Meigen, 1800	46.113
<i>zenia</i> (Curran), 1941 (Baccha), <i>Ocyptamus</i>	46.30
<i>zenilla</i> (Hull), 1943 (Baccha), <i>Leucopodella</i>	46.47
<i>zenillia</i> (Curran), 1941 (Baccha), <i>Ocyptamus</i>	46.30
<i>zephyra</i> (Curran), 1939 (Volucella) <i>Copestylum</i>	46.87
<i>zephyreus</i> (Hull), 1947 (Baccha), <i>Ocyptamus</i>	46.30
<i>zerene</i> (Hull), 1949 (Baccha), <i>Ocyptamus</i>	46.30
<i>zeteki</i> (Curran), 1930 (Baccha), <i>Ocyptamus</i>	46.30
<i>zilla</i> (Hull), 1943 (Baccha), <i>Ocyptamus</i>	46.30
<i>zinnia</i> (Hull), 1943 (Baccha), <i>Ocyptamus</i>	46.30
<i>zita</i> (Curran), 1941 (Baccha), <i>Ocyptamus</i>	46.30
<i>zobeide</i> (Hull), 1943 (Baccha), <i>Ocyptamus</i>	46.31
<i>zonatus</i> (Loew), 1866 (Pteroptila), <i>Meromacrus</i>	46.113
<i>Zonemyia</i> Shannon, 1925	46.115
<i>zoroaster</i> (Hull), 1943 (Baccha), <i>Ocyptamus</i>	46.31



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(Formerly Departamento de Zoologia, Secretaria da Agricultura,
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A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

47

FAMILY CONOPIDAE

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A moderately large family of internal parasites, especially of Hymenoptera, represented in the Neotropics by 14 genera and 175 species. Many species still remain to be described, especially in the genus *Stylogaster*, and most groups still need a thorough revision. The biology of the group has been investigated by Rettenmeyer (1961), and Stuckenberg (1963). Previous catalogues were published by Kröber (1919) and Aczél (1950), but are now seriously out of date, especially after the publications of Camras (1953-1967), who has contributed more extensively to the knowledge of the Neotropical fauna. The suprageneric categories have been dealt with by Zimina (1960).

Subfamily CONOPINAE

Ref. — Camras, 1955a (key to genera and subgenera).

Tribe CONOPINI

Genus CONOPS Linnaeus

CONOPS Linnaeus, 1758:604. Type-species, *flavipes* Linnaeus (Curtis, 1831: pl. 377).

Ref. — Camras, 1955a:156 (rev.).

Subgenus ASICONOPS Chen

Conops, subg. ASICONOPS Chen, 1939:170. Type-species, *aureomaculatus* Kröber (orig. des.).

BERMUDENSIS Parsons, 1940:28, fig. 3 (abdomen). Type-locality: "Bermuda". Distr. — Bermudas.

47.1

Subgenus CERATOCONOPS Camras

Conops, subg. CERATOCONOPS Camras, 1955a:159. Type-species, *ornatus* Williston (orig. des.).

ORNATUS Williston, 1892b:46. Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães]. Distr. — Brazil (Mato Grosso).

Subgenus CONOPS Linnaeus

?PRUINOSUS Bigot, 1857:46. Type-locality: "South America". Distr. — unknown.

VERUS Camras, 1955a:157. Type-locality: Brazil, São Paulo, Rio Claro. Distr. — Brazil (São Paulo).

Subgenus DICONOPS Camras

Conops, subg. DICONOPS Camras, 1957a:9. Type-species, *trichus* Camras (orig. des.).

GEMINATUS Camras, 1957a:10. Type-locality: Peru, Huánuco, Tingo Maria, Monsón Valley. Distr. — Peru (Huanuco).

TRICHUS Camras, 1957a:9. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).

Subgenus SPHENOCONOPS Camras

Conops, subg. SPHENOCONOPS Camras, 1955a:159. Type-species, *nobilis* Williston (orig. des.).

BRUNNEOSERICEUS Kröber, 1937:100. Type-locality: Brazil, Santa Catarina, Nova Bremen, Rio Laeiss. Distr. — Brazil (Rio de Janeiro to Santa Catarina).

NOBILIS Williston, 1892b:45. Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães]. Distr. — Mexico, Costa Rica, Bolivia, Brazil (Mato Grosso).

sericeus Walker, 1852:256 (preocc. Olivier, 1791). Type-locality: Brazil, "Amazon River".

argentifacies Williston, 1892b:43 (in key). Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães].

palliditarsis Kröber, 1927:134, fig. 9 (antenna, genitalia). Type-locality: Costa Rica, San José, La Caja.

VELUTINUS Kröber, 1915c:146. Type-locality: Argentina, Mendoza. Distr. — Argentina (Mendoza).

Genus MALLOCHOCONOPS Camras

MALLOCHOCONOPS Camras, 1955a:160. Type-species, *Conops atratulus* Malloch (orig. des.).

ATRATULUS (Malloch), 1933:173 (*Conops*). Type-locality: Chile, Llanquihue, Casa Pangué. Distr. — Chile.

Genus *PHYSOCONOPS* Szilády

PHYSOCONOPS Szilády, 1926:588. Type-species, *Conops brachyrrhynchus* Macquart (orig. des.; misident.) = *obscuripennis* (Williston).
Ref. — Camras, 1955a:161 (rev.).

Sugenus *ACONOPS* Kröber

ACONOPS Kröber, 1917:142 (as genus). Type-species, *Conops antennatus* Kröber (Camras, 1955a:173).

ANTENNATUS (Kröber), 1915c:150 (*Conops*). Type-locality: Argentina, Mendoza. Distr. — Brazil (Bahia), Argentina (Mendoza).

syrrhoides Blanchard, 1938:351 (*Aconops*). Type-locality: Argentina, Mendoza.

COSTATUS (Fabricius), 1805:175 (*Conops*). Type-locality: "South America". Distr. — Colombia, Surinam, Brazil (Bahia).

LONGISTYLUS (Kröber), 1915c:149 (*Conops*). Type-locality: Brazil, Minas Gerais, São João del Rei. Distr. — Mexico (Guerrero), Nicaragua, Costa Rica, south to Brazil (Santa Catarina).

Sugbenus *GYROCONOPS* Camras

Physoconops, subg. *GYROCONOPS* Camras, 1955a:174. Type-species, *Conops sylvosus* Williston (orig. des.).

ABBREVIATUS Camras, 1955a:174. Type-locality: Mexico. Guerrero, Xucumanatlán, 7000 feet. Distr. — Mexico (Guerrero).

PARVUS (Williston), 1892b:46 (*Conops*). Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães]. Distr. — Mexico to Brazil (Mato Grosso and Santa Catarina).

ocellatus Giglio-Tos, 1892:4 (*Conops*). Type-locality: "Mexico". [Giglio-Tos himself (1893:67) considered this a synonym of *parvus* Williston].

SYLVOSUS (Williston), 1882:329 (*Conops*). Type-locality: U.S.A., Massachusetts and Connecticut. Distr. — U.S.A., Mexico.

arizonicus Banks, 1916:191 (*Conops*). Type-locality: U.S.A., Arizona.

Subgenus *KROEBEROCONOPS* Camras

Physoconops, subg. *KROEBEROCONOPS* Camras, 1955a:175. Type-species, *Conops hermanni* Kröber (orig. des.).

HERMANNI (Kröber), 1915c:145 (*Conops*). Type-locality: Argentina, Mendoza. Distr. — Argentina (Mendoza).

perbellum Kröber, 1939:467. Type-locality: Argentina, Buenos Aires.

RUFIPENNIS (Macquart), 1843:167 (1843:10) (*Conops*). Type-locality: "Brazil" (Camras, 1955a:176). Distr. — ?Costa Rica, Puerto Rico, Brazil, Uruguay, Argentina.



Subgenus PACHYCONOPS Camras

- Physoconops*, subg. PACHYCONOPS Camras, 1955a:161. Type-species, *Conops bulbirostris* Loew (orig. des.).
- BAHAMENSIS Parsons, 1940:29, figs. 8-9 (antenna, abdomen). Type-locality: Bahamas, Eleuthera I. Distr. — Bahamas (Eleuthera, Bimini and Long Is.).
- BRACHYRRHYNCHUS (Macquart), 1843:172 (1843:15) (*Conops*). Type-locality: "South America". Distr. — U.S.A., Mexico, Colombia.
- xanthopareus* Williston, 1882:332 (*Conops*). Type-locality: U.S.A., Texas.
- xanthostomus* Banks, 1916:200, error.
- fenestratus* Kröber, 1915c:134 (*Conops*). Type-locality: U.S.A., Nebraska, Lincoln.
- BULBIROSTRIS (Loew), 1853:30 (*Conops*). Type-locality: "North America" (Osten Sacken, 1878:140). Distr. — U.S.A., mainland south to Paraguay.
- CONNECTENS Camras, 1955a:169. Type-locality: Guatemala, Rabinal, 3000 feet. Distr. — Mexico, Guatemala.
- COSTARICENSIS (Kröber), 1927:135, fig. 10 (antenna, abdomen) (*Conops*). Type-locality: Costa Rica, San José, Farm La Caja. Distr. — Costa Rica, Panama.
- ?CRUDUS (Walker), 1849:671 (*Conops*). Type-locality: unknown. Distr. — unknown.
- CUBANUS Parsons, 1940:28, figs. 6-7 (antenna, abdomen). Type-locality: Cuba, Cienfuegos, Guabalro, about 4 mi. N. of Soledad. Distr. — Cuba.
- GRACILIANUS Camras, 1955a:165. Type-locality: Mexico, Morelos, Cuernavaca. Distr. — Mexico (Morelos).
- GRACILIOR (Kröber), 1915c:150 (*Conops*). Type-locality: Paraguay, La Cordillera, San Bernardino. Distr. — Brazil (Santa Catarina), Paraguay.
- GRACILIS (Williston), 1885:377 (*Conops*). Type-locality: U.S.A., Arizona. Distr. — U.S.A., Mexico, Colombia.
- GRANDIS (Williston), 1892b:44 (*Conops*). Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães]. Distr. — Brazil (Mato Grosso).
- GUIANICUS (Curran), 1934:417 (*Conops*). Type-locality: Guyana, Bartica, Kartabo. Distr. — Colombia, Guyana, Venezuela, Peru, Brazil (Mato Grosso, Goiás).
- guyanicus* Aczél, 1950:56, error.
- MAGNUS (Williston), 1892b:43 (*Conops*). Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães]. Distr. — Brazil (Mato Grosso).
- PALLIFRONS (Coquillett), 1904:92 (*Conops*). Type-locality: Nicaragua, Chinandega and San Marcos; Mexico, Veracruz, San Rafael. Distr. — Mexico, Nicaragua.
- palpifrons*, authors, error.
- PALIPES (Eymelt), 1942:53, fig. 1 (antenna) (*Aconops*). Type-locality: Brazil, Espírito Santo, Alegre. Distr. — Brazil (Espírito Santo).



- PARSONSI Camras, 1955a:171. Type-locality: Cuba, Trinidad Mountains, Buenos Aires. Distr. — Cuba.
- PICTIFRONS (Kröber), 1915c:133 (*Conops*). Type-locality: Mexico, Orizaba. Distr. — Mexico to Panama.
- PICTUS (Fabricius), 1794:391 (*Conops*). Type-locality: "Americae Insulis" (= West Indies). Distr. — Cuba, Haiti, Puerto Rico.
- RAMONDI (Bigot), in Sagra, 1857:808 (*Conops*). Type-locality: "Cuba". Distr. — Cuba.
- RUFUS (Williston), 1892b:44 (*Conops*). Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães]. Distr. — Brazil (Mato Grosso, São Paulo), ?Chile.
- SHANNONI Camras, 1955a:162. Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — Brazil (Mato Grosso).
- TRAVASSOSI Camras, 1955a:168. Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — Brazil (Mato Grosso, Goiás, Rio de Janeiro, São Paulo).

Subgenus PHYSOCONOPS Szilády

- ABRUPTUS (Kröber), 1915c:144 (*Conops*). Type-locality: Argentina, Mendoza. Distr. — Brazil (Mato Grosso, Santa Catarina), Paraguay, Argentina (Mendoza).
- ANALIS (Fabricius), 1805:175 (*Conops*). Type-locality: "South America". Distr. — U.S.A. to Paraguay.
- angustifrons* Williston, 1892b:44 (*Conops*). Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães].
- pulvillus* Eymelt, 1942:54, fig. 2 (whole insect). Type-locality: Brazil, São Paulo, Rio Preto.
- pulvillatus* Aczél, 1950:61, error.
- ANGUSTUS (Kröber), 1915c:152 (*Conops*). Type-locality: Argentina, Mendoza. Distr. — Brazil (Santa Catarina), Argentina (Mendoza).
- ANTHREAS (Williston), 1892a:80 (*Conops*). Type-locality: Mexico, Veracruz, Atoyac. Distr. — Mexico (Veracruz).
- mexicanus* Kröber, 1915c:128 (*Conops*). Type-locality: Mexico, Orizaba.
- ATROFEMORUS Camras, 1963:824. Type-locality: Bahamas, Crooked Island, Landrail Point. Distr. — Bahamas (Crooked Is.).
- AUREOSCUTELLATUS (Kröber), 1937:96, fig. 1 (antenna, abdomen) (*Conops*). Type-locality: "Costa Rica". Distr. — Costa Rica.
- DISCALIS (Williston), 1892a:80 (*Conops*). Type-locality: Mexico, Tabasco, Teapa. Distr. — U.S.A., Mexico, south to Argentina and Paraguay.
- formosus* Kröber, 1915c:124 (*Conops*). Type-locality: "Mexico".
- semifuscus* Banks, 1916:192 (*Conops*; as *brachyrrhynchus* var.). Type-locality: U.S.A., New Mexico, Jemez Springs.
- FRONTO (Williston), 1885:378 (*Conops*). Type-locality: U.S.A., western Kansas. Distr. — U.S.A., Mexico.
- pulchellus* Kröber, 1915c:134 (*Conops*). Type-locality: U.S.A., South Carolina.



- argentifacies* Van Duzee, 1927:547 (*Conops*). Type-locality: U.S.A., Idaho, Lewiston.
- fraterculus* Van Duzee, 1927:575 (*Conops*). Type-locality: U.S.A., Idaho, Lewiston.
- rubicundulus* Van Duzee, 1927:576 (*Conops*). Type-locality: U.S.A., Idaho, Lewiston.
- GILMOREI Camras, 1955a:176. Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — Brazil (Mato Grosso, Goiás), Paraguay.
- INFUSCATUS Camras, 1955a:179. Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — Brazil (Mato Grosso to São Paulo, Santa Catarina).
- INORNATUS (Williston), 1892b:45 (*Conops*). Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães]. Distr. — Brazil (Mato Grosso).
- NIGROMARGINATUS (Kröber), 1915c:151 (*Conops*). Type-locality: Bolivia, La Paz: Mapiri and San Ernesto. Distr. — Mexico, Bolivia, Brazil (Pará to Goiás and Rio de Janeiro).
- NITENS Camras, 1955a:181. Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — Brazil (Mato Grosso, Santa Catarina).
- OBSCURIPENNIS (Williston), 1882:328 (*Conops*). Type-locality: U.S.A., Virginia, South Carolina, Georgia and Massachusetts. Distr. — U.S.A., Mexico.
- foxi* Van Duzee, 1927:574 (*Conops*). Type-locality: U.S.A., Washington, Pullman.
- brachyrrhynchus*, authors, not Macquart.
- ORNATIFRONS (Kröber), 1915c:148 (*Conops*). Type-locality: Peru, Sullana. Distr. — Venezuela, Peru, Brazil (Mato Grosso to Santa Catarina).
- PERUVIANUS Camras, 1955a:178. Type-locality: Peru, Pucallpa. Distr. — Peru.
- VARIPES (Kröber), 1915c:153 (*Conops*; as *angustus* var.). Type-locality: Paraguay, La Cordillera, San Bernardino. Distr. — Paraguay.

Subgenus SHANNONOCONOPS Camras

- Physoconops*, subg. SHANNONOCONOPS Camras, 1955a:172. Type-species, *apicalis* Camras (orig. des.).
- APICALIS Camras, 1955a:172. Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — Peru, Brazil (Mato Grosso).

Tribe TROPIDOMYIINI

Genus TROPIDOMYIA Williston

- TROPIDOMYIA Williston, 1888:11. Type-species, *bimaculata* Williston (mon.). Ref. — Camras, 1955b (key).
- ALEXANDERI Camras, 1955b:119. Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — Brazil (Mato Grosso, Goiás, São Paulo), Paraguay.

BIMACULATA Williston, 1888:11. Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães]. Distr. — Mexico (Guerrero), Brazil (Mato Grosso).

Tribe PHYSOCEPHALINI

Genus PHYSOCEPHALA Schiner

PHYSOCEPHALA Schiner, 1861:137. Type-species, *Conops rufipes* Fabricius (orig. des.).

Ref. — Camras, 1957b (key to species).

BICOLOR Kröber, 1915b:136. Type-locality: Brazil, Mato Grosso. Distr. — Brazil (Mato Grosso).

IMPUNCTATA (Macquart), 1843:168 (1843:11) (*Conops*). Type-locality: Brazil, Guanabara, Rio de Janeiro. Distr. — Ecuador, Peru, Bolivia, Brazil, Paraguay.

BRASILIENSIS Kröber, 1915b:136. Type-locality: Brazil, Bahia. Distr. — Mexico to Peru and Brazil (Mato Grosso to Bahia).

BRUNNIPES Kröber, 1927:131, fig. 6 (antenna, abdomen). Type-locality: Brazil, Rio de Janeiro, Nova Friburgo. Distr. — Brazil (Rio de Janeiro to Santa Catarina).

CAYENNENSIS (Macquart), 1843:169 (1843:12) (*Conops*). Type-locality: French Guiana, Cayenne. Distr. — Mexico (Veracruz), south to Argentina.

pivicentris Wulp, 1883:12 (*Conops*). Type-locality: "Argentina".

DIMIDIATA (Walker), 1852:254 (*Conops*). Type-locality: unknown. Distr. — Peru, Brazil, Paraguay.

rufus Williston, 1892b:44 (*Conops*). Type-locality: Brazil, Mato Grosso, Chapada [dos Guimarães].

FAIRCHILD Camras, 1957b:216. Type-locality: Brazil, Mato Grosso, Maracaju. Distr. — Brazil (Mato Grosso).

FLAVIFRONS (Walker), 1849:672 (*Conops*). Type-locality: Brazil, Pará. Distr. — Peru, Brazil.

aurifrons Walker, 1849:1158 (*Conops*; unnecessary nom. nov. for *flavifrons* Walker). Type-locality: Brazil, Pará.

FURCILLATA (Williston), 1882:336 (*Conops*). Type-locality: U.S.A., New Hampshire, White Mts. Distr. — U.S.A., Mexico.

sororcula Williston, 1892a:83. Type-locality: Mexico, Guerrero, Xucumanatlán, 7000 feet.

lucida Van Duzee, 1931:284. Type-locality: Canada, Ontario, Gull Lake.

INHABILIS (Walker), 1849:672 (*Conops*). Type-locality: unknown. Distr. — Mexico to Argentina.

maurus Walker, 1849:673 (*Conops*). Type-locality: unknown.

xanthops Williston, 1892a:83. Type-locality: Mexico, Guerrero, Venta de Zopilote, 2800 feet; Tabasco, Teapa.

bimaculata Kröber, 1915b:140. Type-locality: "Argentina, Mendoza; Colombia; Ecuador".

soror Kröber, 1915b:143. Type-locality: Argentina, Mendoza.

- NERVOSA** Kröber, 1915b:144. Type-locality: Argentina, Mendoza. Distr. — Argentina (Mendoza).
- NIGRIFACIES** (Bigot), 1887:40 (*Conops*). Type-locality: "Mexico". Distr. — Mexico to Brazil (Rio de Janeiro).
carbonarius Bigot, 1887:42 (*Conops*). Type-locality: "Mexico".
analis, authors, not Fabricius.
- PICIPES** Kröber, 1915b:134. Type-locality: Brazil, Rio Grande do Sul. Distr. — Brazil (Rio Grande do Sul).
- PULCHRIPENNIS** Kröber, 1927:132, fig. 7 (antenna, abdomen). Type-locality: Argentina, Mendoza. Distr. — Argentina (Mendoza).
- RUFITHORAX** Kröber, 1915b:138. Type-locality: "Paraguay, Asunción, Villa Morra; Brazil, Santa Catarina; Peru, Madre de Dios." Distr. — Peru, Brazil, Paraguay.
- SEGETHI** (Rondani), 1863:13 (*Conops*). Type-locality: "Chile". Distr. — Brazil, Uruguay, Chile, Argentina.
tricolor Bigot, 1887:41 (*Conops*). Type-locality: Uruguay, Montevideo.
- SPHENIFORMIS** Camras, 1957b:217. Type-locality: Brazil, Rio de Janeiro, Itatiaia, 700 m. Distr. — Brazil (Rio de Janeiro).
- TESTACEA** (Wulp), 1883:13 (*Conops*). Type-locality: "Argentina". Distr. — Costa Rica and Trinidad to Argentina (Mendoza).
- TEXANA** (Williston), 1882:338 (*Conops*). Type-locality: U.S.A., Texas. Distr. — Canada to Mexico.
affinis Williston, 1882:339 (*Conops*). Type-locality: U.S.A., "Kansas plain; California; Washington Terr."
ochreiceps Bigot, 1887:39 (*Conops*). Type-locality: "U.S.A., Georgia; Mexico".
humeralis Van Duzee, 1927:580. Type-locality: U.S.A., Idaho, Lewiston.
simulans Van Duzee, 1927:581 (as *humeralis* ssp.). Type-locality: U.S.A., California, Imperial Co., Potholes.
aureifacies Van Duzee, 1927:581. Type-locality: U.S.A., California, Stockton.
buccalis Van Duzee, 1927:582. Type-locality: U.S.A., Utah, Great Salt Lake.
rubida Van Duzee, 1934:315. Type-locality: U.S.A., Oregon, Hermiston.
- THECALA** Camras, 1957b:215. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- UNICOLOR** Kröber, 1915b:145. Type-locality: Paraguay, La Cordillera, San Bernardino. Distr. — Paraguay.
- VENUSTA** Parsons, 1940:32, figs. 12-13 (antenna, abdomen). Type-locality: Haiti, Mannville. Distr. — Haiti.
- VESPIFORMIS** Kröber, 1915b:135. Type-locality: Paraguay, Asunción, San Juan; Peru, Loreto, Juanjui (as Surinam, Amazonas, error). Distr. — Paraguay; Peru (may not be the same species, Camras, 1957b:216).

Unrecognized PHYSOCEPHALA

- DIMIDIATIPENNIS (Sichel), 1862:120 (*Conops*). Type-locality: Uruguay, Montevideo.
- EPIHIPIUM (Macquart), 1843:168 (1843:11), pl. 1, figs. 5 (head), 5a (wing) (*Conops*). Type-locality: "South America".
- FLAVICEPS (Macquart), 1843:172 (1843:15) (*Conops*). Type-locality: "North America".
- LUGUBRIS (Macquart), 1835:26 (*Conops*). Type-locality: "Brazil".
- MAXIMA Giglio-Tos, 1893:132. Type-locality: "Mexico".
- PUNCTUM (Bigot), 1887:15 (*Conops*). Type-locality: "?South America".
- SERICEA (Olivier), 1791:111 (*Conops*). Type-locality: "Cayenne".

Subfamily DALMANNIINAE

Genus BARUERIZODION Papavero

- BARUERIZODION Papavero, 1970:121. Type-species, *steyskali* Papavero (orig. des.).
- STEYSKALI Papavero, 1970: 122, figs. 1-5 (head, leg, ♀ abdomen). Type-locality: Brazil, São Paulo, Barueri.

Genus PARAZODION Kröber

- PARAZODION Kröber, 1927:135. Type-species, *schmidtii* Kröber (mon.).
Ref. — Kröber, 1939:530-531 (key).
- AFFINIS Kröber, 1939:531 (key), 532. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- PALLIDETINCTUM Kröber, 1939:530 (key), 531. Type-locality: Brazil, Amazonas. Distr. — Brazil (Amazonas).
pallidictinctum Aczél, 1950:73, error.
- PILOSUM Kröber, 1939:531. Type-locality: Mexico, Veracruz, Atoyac and Guerrero, Xucumanatlán. Distr. — Mexico (Veracruz, Guerrero).
- SCHMIDTI Kröber, 1927:136, fig. 11 (abdomen). Type-locality: Costa Rica, San José.

Subfamily MYOPINAE

Genus MYOPA Fabricius

- MYOPA Fabricius, 1775:798. Type-species, *Conops buccatus* Linnaeus (Curtis, 1838: pl. 677). [See note in North American catalogue, p. 630].
- Gonirhynchus* Rondani, 1856:58. Type-species, *dispar* Rondani (orig. des.) = *occulta* Wiedemann.
Ref. — Camras, 1953a (rev.).

- FENESTRATA Coquillett, 1902:197. Type-locality: Mexico, Chihuahua, Sierra Madre, R. Piedras Verdes, 7300 feet. Distr. -- Mexico (Chihuahua).
- PULCHRA Coquillett, 1902:198. Type-locality: Mexico, Chihuahua, Sierra Madre, R. Piedras Verdes, 7300 feet. Distr. — Mexico.
- WILLISTONI Banks, 1916:197 (nom. nov. for *pictipennis* Williston). Type-locality: U.S.A., Arizona and California. Distr. — U.S.A., Mexico.
- pictipennis* Williston, 1885:382 (preocc. Robineau-Desvoidy, 1830). Type-locality: U.S.A., Arizona and California.

Genus NEOZODION Szilády

- NEOZODION Szilády, 1926:590. Type-species, *pruinosum* Szilády (mon.).
- PRUINOSUM Szilády, 1926:590, fig. 1 (whole insect, head). Type-locality: Peru, Vilcanota. Distr. — Peru.

Genus ROBERTSONOMYIA Malloch

- ROBERTSONOMYIA Malloch, 1919:205. Type-species, *Zodion palpalis* Robertson (orig. des.).
- Ref. — Camras, 1944 (review, in *Zodion*); Parsons, 1948 (synopsis).
- PALPALIS (Robertson), 1901:284 (*Zodion*). Type-locality: U.S.A., Illinois. Distr. — U.S.A., Mexico.
- scapularis* Adams, 1903:34 (*Zodion*). Type-locality: U.S.A., Arizona.

Genus SCATOCCEMYIA Camras

- SCATOCCEMYIA Camras, 1957a:13. Type-species, *plaumanni* Camras (orig. des.).
- PLAUMANNI Camras, 1957a:14. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).

Genus THECOPHORA Rondani

- THECOPHORA Rondani, 1845:15. Type-species, *Myopa atra* Fabricius (Rondani, 1856:58).
- Thecomyia*, error.
- Occemya* Robineau-Desvoidy, 1853:92, 130. Type-species, *Myopa atra* Fabricius (orig. des.).
- Occemyia* and *Oncomyia*, emend.
- Eccemyia*, error.
- ABBREVIATA (Loew), 1866:41 (Cent. 7, no. 73) (*Oncomyia*). Type-locality: U.S.A., Washington, D.C. Distr. — U.S.A., Mexico (Durango).
- melanopoda* Williston, 1885:393 (*Oncomyia*; as *modesta* var.). Type-locality: unknown.
- HAITIENSIS (Parsons), 1940:35, figs. 10, 11 (antenna, abdomen) (*Occemyia*). Type-locality: Haiti, Port-au-Prince. Distr. — Haiti. N. comb.

- NIGRIPES (Camras), 1945:218 (*Occemya*). Type-locality: Canada, Ontario.
Distr. — Canada to Mexico and Guatemala.
- OCCIDENSIS (Walker), 1849:676 (*Zodion*). Type-locality: U.S.A., Ohio.
Distr. — Canada, south to U.S.A. (California) and Mexico.
- loraria Loew, 1866:41 (Cent. 7, no. 74) (*Oncomyia*). Type-locality:
U.S.A., New Hampshire.
- baroni Williston, 1883:97 (*Oncomyia*). Type-locality: U.S.A.,
California.
- brevirostris Van Duzee, 1927:593 (*Oncomyia*). Type-locality:
U.S.A., Washington, Pullman.
- aequalis Van Duzee, 1927:594 (*Oncomyia*). Type-locality: U.S.A.,
California, Lake Co., Lower Lake.
- terminalis Van Duzee, 1927:594 (*Oncomyia*). Type-locality: U.S.A.,
Oregon, Hood River.
- bimacula Curran, 1933:7 (*Zodion*). Type-locality: Canada, Ontario.
- frontalis Van Duzee, 1934:322 (*Oncomyia*). Type-locality: U.S.A.,
Washington, Puyallup.

Genus ZODION Latreille

- ZODION Latreille, 1796:162. Type-species, *Myopa cinerea* Fabricius (sub.
mon.; Latreille, 1802:444).
- ALBONOTATUM Townsend, 1897b:175. Type-locality: U.S.A., Texas,
Brownsville and Fort Brown. Distr. — U.S.A. to Guatemala.
- AMERICANUM Wiedemann, 1830:242. Type-locality: Uruguay, Montevideo.
Distr. — U.S.A. to Uruguay, also West Indies.
- nanellum Loew, 1866:42 (Cent. 7, no. 75). Type-locality: U.S.A.,
District of Columbia.
- pygmaeum Williston, 1885:381. Type-locality: U.S.A., California,
and Colorado, North Park.
- albifacies Van Duzee, 1927:588. Type-locality: U.S.A., Arizona,
Baboquivari Mts.
- ANALE Kröber, 1915a:113. Type-locality: Chile, Concepción. Distr. —
U.S.A. to Chile.
- AUREOPYGIUM Kröber, 1915a:114. Type-locality: Paraguay, Asunción.
Distr. — Mexico, Costa Rica, Peru, Paraguay.
- pallidum Kröber, 1929:173 (as "forma"). Type-locality: Bolivia,
Aguarai.
- BRASILIENSIS Kröber, 1939:535. Type-locality: Brazil, Santa Catarina,
Nova Teutônia. Distr. — Brazil (Santa Catarina).
- BREVISTRIATUM Kröber, 1929:173. Type-locality: Bolivia, Villa Montes.
Distr. — Bolivia.
- CANESCENS Parsons, 1940:34, figs. 4-5 (antenna, abdomen). Type-locality:
Cuba, Soledad, near Cienfuegos. Distr. — Cuba.
- aenescens Aczél, 1950:74, error.
- COSTARICENSIS Kröber, 1937:98. Type-locality: Costa Rica, San José, La
Caja. Distr. — Costa Rica.

- DIBAPHIUS Kröber, 1915a:112. Type-locality: Peru, Piura (as Piuva, error).
Distr. — Peru to Argentina (Mendoza).
- FLAVIPENNE Bigot, 1887:204. Type-locality: "Mexico". Distr. — Mexico.
- FLAVOCAUDATUM Bigot, 1887:205. Type-locality: "Chile". Distr. — Peru, Chile.
- analis* Kröber, 1915a:113. Type-locality: Chile, Concepción.
- FLAVOSTRIATUM Camras, 1953b:399. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- FULVIFRONS Say, 1823:83 (1859:74). Type-locality: U.S.A., Maryland and Pennsylvania. Distr. — Canada to Mexico.
- abdominalis* Say, 1823:84 (1859:74). Type-locality: U.S.A., Nebraska.
- rubrifrons* Robineau-Desvoidy, 1830:247 (*Myopa*). Type-locality: U.S.A., Pennsylvania.
- bistria* Walker, 1849:679 (*Myopa*). Type-locality: "North America".
- lativentre* Graenicher, 1910:26. Type-locality: U.S.A., Wisconsin.
- obscurum* Banks, 1916:194. Type-locality: U.S.A., California, San Bernardino Co., Bear Valley, 6700 feet and Santa Monica.
- sayi* Banks, 1916:195. Type-locality: U.S.A., Virginia, Falls Church, and Oregon, Mt. Jefferson and Horse Lake.
- reclusum* Banks, 1916:195. Type-locality: U.S.A., California, Redlands, and Oregon, Corvallis.
- bilineata* Van Duzee, 1927:586. Type-locality: U.S.A., Oregon, Willowa Mountains.
- GRISESCENS Kröber, 1939:537. Type-locality: Argentina, Salta. Distr. — Argentina (Salta).
- INTERMEDIUM Banks, 1916:193. Type-locality: U.S.A., Pennsylvania, Pocono Lake and New Jersey, Clementon. Distr. — Canada to Mexico.
- occidentale* Banks, 1916:194. Type-locality: U.S.A., Oregon, Corvallis and Montaville, Mary's River.
- MACULIVENTRIS Kröber, 1915a:108. Type-locality: Mexico, Mazatlán. Distr. — Mexico.
- OBLIQUEFASCIATUM (Macquart), 1846:269 (1846:141) (*Myopa*). Type-locality: U.S.A., Texas, Galveston. Distr. — U.S.A. to Guatemala.
- leucostoma* Williston, 1885:380. Type-locality: U.S.A., Kansas, Arizona and Montana.
- tectura* Adams, 1903:35 (*Myopa*). Type-locality: unknown.
- PERLONGUM Coquillett, 1902:199. Type-locality: "U.S.A., New Mexico, White Mts., Rio Ruidoso, 6700 feet; Mexico, Sierra Madre, Chihuahua, head of Rio Piedras Verdes, 7300 feet; U.S.A., Colorado". Distr. — U.S.A., Mexico.
- PERUVIANUM Kröber, 1915a:115. Type-locality: Peru, Sullana. Distr. — Mexico, Costa Rica, Peru.
- PICTUM Schiner, 1868:370. Type-locality: "Colombia". Distr. — Mexico, Costa Rica, Colombia, Venezuela, Brazil.
- PUNCTIPENNIS Kröber, 1915a:111. Type-locality: Chile, Concepción; Argentina, Mendoza. Distr. — Chile, Argentina.
- ROSSI Camras, 1957a:12. Type-locality: Mexico, San Luis Potosí, 40-50 mi. N.W. of C. del Maiz. Distr. — Mexico (San Luis Potosí).

- SIMIS Camras, 1953b:397. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- TRIANGULARIS Kröber, 1939:537. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- ZEBRINUM Bigot, 1887:204. Type-locality: "Mexico". Distr. — Mexico, Costa Rica, Peru.
- auricaudatum* Williston, 1892a:85, pl. 2, figs. 14, 14a (whole insect, profile). Type-locality: Mexico, Guerrero, Chilpancingo and Tepetlapa.
- aureopictum* Kröber, 1927:138. Type-locality: Costa Rica, San José.

Subfamily STYLOGASTRINAE

Genus STYLOGASTER Macquart

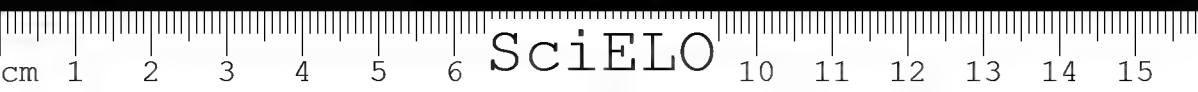
- STYLOGASTER Macquart, 1835:38. Type-species, *Conops stylatus* Fabricius (mon.).
- Stylomyia* Westwood, 1852:268. Type-species, *leonum* Westwood (Coquillett, 1910:610).
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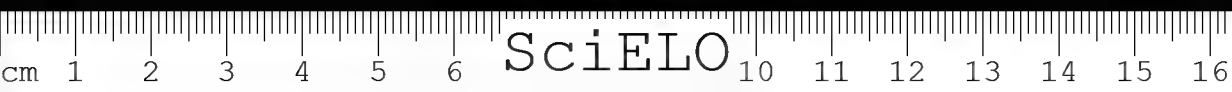
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<i>arizonicus</i> (Banks), 1916 (Conops), Physoconops	47.3
<i>Asiconops</i> Chen, 1939	47.1
<i>atratus</i> (Malloch), 1933 (Conops), Maolchoconops	47.2
<i>atrofemorus</i> Camras, 1963, Physoconops	47.5
<i>aureopictum</i> Kröber, 1927, Zodion	47.13
<i>aureopygium</i> Kröber, 1915, Zodion	47.11
<i>aureoscutellatus</i> (Kröber), 1937 (Conops), Physoconops	47.5
<i>auricaudatum</i> Williston, 1892, Zodion	47.13
<i>aurifacies</i> Van Duzee, 1927, Physocephala	47.8
<i>aurifrons</i> (Walker), 1849 (Conops), Physocephala	47.7
<i>australis</i> Lopes, 1937, Stylogaster	47.13
<i>azteca</i> Curran, 1942, Stylogaster	47.13
<i>banksi</i> Aldrich, 1930, Stylogaster	47.13
<i>bahamensis</i> Parsons, 1940, Physoconops	47.4
<i>baroni</i> (Williston), 1883 (Oncomyia), Thecophora	47.11
<i>Baruerizodion</i> Papavero, 1970	47.9
<i>bequaerti</i> Curran, 1942, Stylogaster	47.13
<i>bermudensis</i> Parsons, 1940, Conops	47.1
<i>biannulata</i> (Say), 1823 (Myopa), Stylogaster	47.13
<i>bicolor</i> Kröber, 1915, Physocephala	47.7
<i>bilineata</i> Van Duzee, 1927, Zodion.....	47.12
<i>bimacula</i> (Curran), 1933 (Zodion), Thecophora	47.11
<i>bimaculata</i> Kröber, 1915, Physocephala	47.7
<i>bimaculata</i> Williston, 1888, Tropidomyia	47.7
<i>bipunctata</i> (Macquart), 1843 (Conops), Physocephala	47.7
<i>bistria</i> (Walker), 1849 (Myopa), Zodion	47.12
<i>brachyrrhynchus</i> , authors, Physocephala	47.6
<i>brachyrrhynchus</i> (Macquart), 1843 (Conops), Physoconops	47.4
<i>brasiliensis</i> Kröber, 1915, Physocephala	47.7
<i>brasiliensis</i> Kröber, 1939, Zodion	47.11
<i>brevirostris</i> (Van Duzee), 1927 (Oncomyia), Thecophora	47.11
<i>brevistriatum</i> Kröber, 1929, Zodion	47.11
<i>breviventris</i> Aldrich, 1930, Stylogaster	47.13
<i>brunneosericeus</i> Kröber, 1937, Conops	47.2
<i>brunnipes</i> Kröber, 1927, Physocephala	47.7
<i>buccalis</i> Van Duzee, 1927, Physocephala	47.8
<i>bulbirostris</i> (Loew), 1853 (Conops), Physoconops	47.4

<i>canescens</i> Parsons, 1940, Zodion	47.11
<i>carbonarius</i> (Bigot), 1887 (Conops), Physocephala	47.8
<i>cayennensis</i> (Macquart), 1843 (Conops), Physocephala	47.7
<i>Ceratoconops</i> Camras, 1955	47.2
<i>confusa</i> (Westwood), 1852 (Stylomyia), Stylogaster	47.13
<i>connectens</i> Camras, 1955, Physoconops	47.4
Conopinae	47.1
Conopini	47.1
Conops Linnaeus, 1758	47.1
<i>costaricensis</i> Kröber, 1927 (Conops), Physoconops	47.4
<i>costaricensis</i> Kröber, 1937, Zodion	47.11
<i>costatus</i> (Fabricius), 1805 (Conops), Physoconops	47.3
<i>?crudus</i> (Walker), 1849 (Conops), Physoconops	47.4
<i>cubanus</i> Parsons, 1940, Physoconops	47.4
<i>currani</i> Aldrich, 1930, Stylogaster	47.13
Dalmanniinae	47.9
<i>decorata</i> Aldrich, 1930, Stylogaster	47.14
<i>dibaphus</i> Kröber, 1915, Zodion	47.12
<i>Diconops</i> Camras, 1957	47.2
<i>dimidiata</i> (Walker), 1852 (Conops), Physocephala	47.7
<i>dimiatipennis</i> (Sichel), 1862 (Conops), Physocephala	47.9
<i>discalis</i> Williston, 1892 (Conops), Physoconops	47.5
<i>Eccemyia</i> , error	47.10
<i>elongata</i> Camras, 1963, Stylogaster	47.14
<i>ephippium</i> (Macquart), 1843 (Conops), Physocephala	47.9
<i>ethiopa</i> Townsend, 1897, Stylogaster	47.14
<i>fairchildi</i> Camras, 1957, Physocephala	47.7
<i>fasciata</i> Aldrich, 1930, Stylogaster	47.14
<i>fenestrata</i> Coquillett, 1902, Myopa	47.10
<i>fenestratus</i> (Kröber), 1915 (Conops), Physoconops	47.4
<i>fidelis</i> Monteiro, 1960, Stylogaster	47.14
<i>flaviceps</i> (Macquart), 1843 (Conops), Physocephala	47.9
<i>flavifrons</i> (Walker), 1849 (Conops), Physocephala	47.7
<i>flavipenne</i> Bigot, 1827, Zodion	47.12
<i>flavocaudatum</i> Bigot, 1887, Zodion	47.12
<i>flavostriatum</i> Camras, 1953, Zodion	47.12
<i>formosus</i> (Kröber), 1915 (Conops), Physoconops	47.5
<i>foxi</i> (Van Duzee), 1927 (Conops), Physoconops	47.6
<i>fraterculus</i> (Van Duzee), 1927 (Conops), Physoconops	47.6
<i>frontalis</i> (Van Duzee), 1934 (Oncomyia), Thecophora	47.11



fronto (Williston), 1885 (Conops), Physoconops	47.5
fulvifrons Say, 1823, Zodion	47.12
furcillata (Williston), 1882 (Conops), Physocephala	47.7
geijskesi Curran, 1942, Stylogaster	47.14
geminatus Camras, 1957, Conops	47.2
gilmorei Camras, 1955, Physoconops	47.6
<i>Gonirhynchus</i> Rondani, 1856	47.9
gracillanus Camras, 1955, Physoconops	47.4
gracillor (Kröber), 1915 (Conops), Physoconops	47.4
gracilis (Williston), 1885 (Conops), Physoconops	47.4
grandis (Williston), 1892 (Conops), Physoconops	47.4
grisescens Kröber, 1939, Zodion	47.12
guianicus (Curran), 1934 (Conops), Physoconops	47.4
<i>guyanicus</i> Aczél, 1950, Physoconops (error)	47.4
Gyroconops Camras, 1955	47.3
haitiensis (Parsons), 1940 (Occemyia), Thecophora	47.10
hermanni (Kröber), 1915 (Conops), Physoconops	47.3
hirtinervis Lopes & Monteiro, 1959, Stylogaster	47.14
<i>horvathi</i> Szilády, 1928, Stylogaster	47.15
<i>humeralis</i> Van Duzee, 1927, Physocephala	47.8
indistincta Aldrich, 1930, Stylogaster	47.14
infuscatus Camras, 1955, Physoconops	47.6
inhabilis (Walker), 1849 (Conops), Physocephala	47.7
inornatus (Williston), 1892 (Conops), Physoconops	47.6
intermedium Banks, 1916, Zodion	47.12
jactata Lopes & Monteiro, 1959, Stylogaster	47.14
Kroeberoconops Camras, 1955	47.3
lancei Monteiro, 1960, Stylogaster	47.14
lativentre Graenicher, 1910, Zodion	47.12
lepida Lopes & Monteiro, 1959, Stylogaster	47.14
<i>leucostoma</i> Williston, 1885, Zodion	47.12
longicornis Lopes, 1937, Stylogaster	47.14
longistylus (Kröber), 1915 (Conops), Physoconops	47.3
lopesi Camras, 1957, Stylogaster	47.14
loraria (Loew), 1866 (Oncomyia), Thecophora	47.11
lucida Van Duzee, 1931, Physocephala	47.7
lugubris (Macquart), 1835 (Conops), Physocephala	47.9
macrura Lopes, 1938, Stylogaster	47.14
maculiventris Kröber, 1915, Zodion	47.12



<i>magnus</i> (Williston), 1892 (Conops), Physoconops	47.4
<i>Mallochoconops</i> Camras, 1955	47.2
<i>maurus</i> (Walker), 1849 (Conops), Physocephala	47.7
<i>maxima</i> Giglio-Tos, 1893, Physocephala	47.9
<i>melanopoda</i> (Williston), 1885 (Oncomyia), Thecophora.	47.10
<i>mexicanus</i> (Kröber), 1915 (Conops), Physoconops	47.5
<i>minuta</i> Townsend, 1897, Stylogaster	47.14
<i>murielae</i> Camras, 1967, Stylogaster	47.14
<i>Myopa</i> Fabricius, 1775	47.9
<i>Myopinae</i>	47.9
<i>nanellum</i> Loew, 1866, Zodion	47.11
<i>Neozodion</i> Szilády, 1926	47.10
<i>nervosa</i> Kröber, 1915, Physocephala	47.8
<i>nigricoxa</i> Camras, 1967, Stylogaster	47.14
<i>nigrifacies</i> (Bigot), 1887 (Conops), Physocephala	47.8
<i>nigrifrons</i> Lopes, 1937, Stylogaster	47.14
<i>nigripes</i> (Camras), 1945 (Occemyia), Thecophora	47.11
<i>nigromarginatus</i> (Kröber), 1915 (Conops), Physoconops	47.6
<i>nitens</i> Camras, 1955, Physoconops	47.6
<i>nobilis</i> Williston, 1892, Conops	47.2
<i>obliquefasciatum</i> (Macquart), 1846 (Myopa), Zodion	47.12
<i>obscuripennis</i> (Williston), 1882 (Conops), Physoconops	47.6
<i>obscurum</i> Banks, 1916, Zodion	47.12
<i>Occemya</i> Robineau-Desvoidy, 1853	47.10
<i>Occemyia</i> , emend.	47.10
<i>occidentalis</i> (Walker), 1849 (Zodion), Thecophora	47.11
<i>occidentale</i> Banks, 1916, Zodion	47.12
<i>ocellatus</i> (Giglio-Tos), 1892 (Conops), Physoconops.	47.3
<i>ochreipes</i> (Bigot), 1887 (Conops), Physocephala	47.8
<i>Oncomyia</i> , emend.	47.10
<i>ornatifrons</i> (Kröber), 1915 (Conops), Physoconops	47.6
<i>ornatipes</i> Kröber, 1914, Stylogaster	47.15
<i>ornatus</i> Williston, 1892, Conops	47.2
<i>Pachyconops</i> Camras, 1955	47.4
<i>pallidetinctum</i> Kröber, 1939, Parazodion	47.9
<i>pallidicinctum</i> Aezél, 1950, Parazodion (error)	47.9
<i>palliditarsis</i> Kröber, 1929, Zodion	47.2
<i>pallidum</i> Kröber, 1929, Zodion	47.11
<i>pallifrons</i> (Coquillett), 1902 (Conops), Physoconops	47.4
<i>pallipes</i> (Eymelt), 1942 (Aconops), Physoconops	47.4
<i>palpalis</i> (Robertson), 1901 (Zodion), Robertsonomyia	47.10

<i>palpifrons</i> , authors. Physoconops	47.4
<i>panamensis</i> Aldrich, 1930, Stylogaster	47.15
<i>Parazodion</i> Kröber, 1927	47.9
<i>parsonsi</i> Camras, 1955, Physoconops	47.5
<i>parvus</i> (Williston), 1892 (Conops), Physoconops	47.3
<i>pectinata</i> Aldrich, 1930, Stylogaster	47.15
<i>perbellum</i> Kröber, 1939, Physoconops	47.3
<i>perlongum</i> Coquillett, 1902, Zodion	47.12
<i>peruviana</i> Aldrich, 1930, Stylogaster	47.15
<i>peruvianum</i> Kröber, 1915, Zodion	47.12
<i>peruvianus</i> Camras, 1955, Physoconops	47.6
<i>Physocephala</i> Schiner, 1861	47.7
<i>Physocephalini</i>	47.7
<i>Physoconops</i> Szilády, 1926	47.3, 47.5
<i>picipes</i> Kröber, 1915, Physocephala	47.8
<i>piceiventris</i> (Wulp), 1883 (Conops), Physocephala	47.7
<i>pictifrons</i> (Kröber), 1915 (Conops), Physoconops	47.5
<i>pictipennis</i> Williston, 1885, Myopa	47.10
<i>pictum</i> Schiner, 1868, Zodion	47.12
<i>pictus</i> (Fabricius), 1794 (Conops), Physoconops	47.5
<i>pilosa</i> Lopes & Monteiro, 1959, Stylogaster	47.15
<i>pilosum</i> Kröber, 1939, Parazodion	47.9
<i>plaumanni</i> Camras, 1957, Scatocemyia	47.10
<i>pruinsum</i> Szilády, 1926, Neozodion	47.10
? <i>pruinus</i> Bigot, 1887, Conops	47.2
<i>pulchellus</i> (Kröber), 1915 (Conops), Physoconops	47.5
<i>pulchra</i> Coquillett, 1902, Myopa	47.10
<i>pulchripennis</i> Kröber, 1927, Physocephala	47.8
<i>pulvillatus</i> Aczél, 1950, Physoconops (error)	47.5
<i>pulvillus</i> Eymelt, 1942, Physoconops	47.5
<i>punctipennis</i> Kröber, 1915, Zodion	47.12
<i>punctum</i> (Bigot), 1887 (Conops), Physocephala	47.9
<i>pygmaeum</i> Williston, 1885, Zodion	47.11
<i>ramondi</i> (Bigot), 1857 (Conops), Physoconops	47.5
<i>reclusum</i> Banks, 1916, Zodion	47.12
<i>rectinervis</i> Aldrich, 1930, Stylogaster	47.15
<i>rectinervis</i> Aldrich of Lopes, 1937, Stylogaster	47.14
<i>rettenmeyeri</i> Camras, 1967, Stylogaster	47.15
<i>Robertsonomyia</i> Malloch, 1919	47.10
<i>rossi</i> Camras, 1957, Zodion	47.12
<i>rubicundulus</i> (Van Duzee), 1927 (Conops), Physoconops	47.6
<i>rubida</i> Van Duzee, 1934, Physocephala	47.8
<i>rubrifrons</i> (Robineau-Desvoidy), 1830 (Myopa), Zodion	47.12

<i>rufipennis</i> (Macquart), 1843 (Conops), Physoconops	47.3
<i>rufithorax</i> Kröber, 1915, Physocephala	47.8
<i>rufus</i> Williston, 1892, Physocephala	47.7
<i>rufus</i> (Williston), 1892 (Conops), Physoconops	47.5
<i>sayi</i> Banks, 1916, Zodion	47.12
<i>scapularis</i> (Adams), 1903 (Zodion), Robertsonomyia	47.10
<i>Scatocemyia</i> Camras, 1957	47.10
<i>schmidtii</i> Kröber, 1937, Parazodion	47.9
<i>segethi</i> (Rondani), 1863 (Conops), Physocephala	47.8
<i>semifuscus</i> (Banks), 1916 (Conops), Physoconops	47.5
<i>sericea</i> (Olivier), 1791 (Conops), Physocephala	47.9
<i>sericeus</i> Walker, 1852, Conops	47.2
<i>shannoni</i> Camras, 1955, Physoconops	47.5
<i>shannoni</i> Lopes & Monteiro, 1959, Stylogaster	47.15
<i>Shannonconops</i> Camras, 1955	47.6
<i>simis</i> Camras, 1953, Zodion	47.13
<i>simulans</i> Van Duzee, 1927, Physocephala	47.8
<i>soror</i> (Kröber), 1915 (Conops), Physocephala	47.7
<i>sororcula</i> (Williston), 1892 (Conops), Physocephala	47.7
<i>souzai</i> Monteiro, 1960, Stylogaster	47.15
<i>speciosa</i> Aldrich, 1930, Stylogaster	47.15
<i>spheniformis</i> Camras, 1957, Physocephala	47.8
<i>Sphenoconops</i> Camras, 1955	47.2
<i>steyskali</i> Papavero, 1970, Baruerizodion	47.9
<i>stylata</i> , authors, Stylogaster	47.13
<i>stylata</i> (Fabricius), 1805 (Conops), Stylogaster	47.15
<i>Stylogaster</i> Macquart, 1835	47.13
<i>Stylogastrinae</i>	47.13
<i>Stylomyia</i> Westwood, 1852	47.13
<i>stylosa</i> Townsend, 1897, Stylogaster	47.15
<i>sylvosus</i> (Williston), 1882 (Conops), Physoconops	47.3
<i>syrphoides</i> (Blanchard), 1938 (Aconops), Physoconops	47.3
<i>tarsata</i> Lopes, 1937, Stylogaster	47.15
<i>tectura</i> (Adams), 1903 (Myopa), Zodion	47.12
<i>terminalis</i> (Van Duzee), 1927 (Oncomyia), Thecophora	47.11
<i>testacea</i> (Wulp), 1883 (Conops), Physocephala	47.8
<i>texana</i> (Williston), 1882 (Conops), Physocephala	47.8
<i>thecala</i> Camras, 1957, Physocephala	47.8
<i>Thecomyia</i> , error	47.10
<i>Thecophora</i> Rondani, 1845	47.10
<i>travassosi</i> Camras, 1955, Physoconops	47.5
<i>triangularis</i> Kröber, 1939, Zodion	47.13

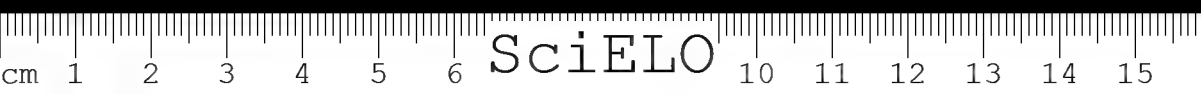


<i>trichus</i> Camras, 1957, Conops	47.2
<i>tricolor</i> (Bigot), 1887 (Conops), Physocephala	47.8
<i>Tropidomyia</i> Williston, 1888	47.6
<i>Tropidomyiini</i>	47.6
<i>unicolor</i> Kröber, 1915, Physocephala	47.8
<i>varipes</i> (Kröber), 1915 (Conops), Physoconops	47.6
<i>velutinus</i> Kröber, 1915, Conops	47.2
<i>venusta</i> Parsons, 1940, Physocephala	47.8
<i>verus</i> Camras, 1955, Conops	47.2
<i>vespiformis</i> Kröber, 1915, Physocephala	47.8
<i>willistoni</i> Banks, 1916, Myopa	47.10
<i>xanthoparcus</i> (Williston), 1882 (Conops), Physoconops	47.4
<i>xanthops</i> (Williston), 1892 (Conops), Physocephala	47.7
<i>xanthostomus</i> Banks, 1916, Physoconops (error)	47.4
<i>zebrinum</i> Bigot, 1887, Zodion	47.13
<i>Zodion</i> Latreille, 1796	47.11



DIVISION SCHIZOPHORA





SciELO

SECTION ACALYPTRATAE





SciELO

SUPERFAMILY MICROPEZOIDEA

Family Micropezidae

Family Neriidae





DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

48

FAMILY MICROPEZIDAE

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The long-legged or stilt-flies are of worldwide distribution but predominantly tropical. The biology of but few species is known (Steyskal, 1964); the indications are that the larvae are either saprophagous or that they may in some cases feed upon living plant tissue. The Neriidae (see fascicle 49), are here considered a distinct family and the Micropezidae are considered to comprise three subfamilies: Calobatinae, Micropezinae, and Taenipterinae. Only the latter two, and in great part the latter one, are found in the southern parts of the Americas. Aczél (1949a, 1951) revised the Argentinian species of the family. The latest general revision is by Hennig (1934-1936) and the latest previous catalogue for our regions is by Aczél (1949b).

A chart of the accumulated numbers of species plotted against dates of original description shows a very steep rise since 1910, but after 1940 so little work has been done in this family that no forecast of its taxonomic future and probable total eventual number of species can be made other than to say that many species apparently still await description. Most of the described species are still known only from their type-localities.

Subfamily MICROPEZINAE

Genus CRYOGONUS Cresson

CRYOGONUS Cresson, 1926:264. Type-species, *reedi* Cresson (orig. des.) = *formicarius* (Rondani).

Chrysogonus, error.

Cressonius Aczél, 1949a:227 (as subgenus). Type-species, *descolei* Aczél (orig. des.). N. SYN.

Cressoninus, lapsus or emendation.

Henniginus Aczél, 1949a:227 (as subgenus). Type-species *Micropeza gibbivertex* Enderlein (orig. des.). N. SYN.

DESCOLEI Aczél, 1949a:228, fig. 1, pl. I, fig. A. Type-locality: Argentina, Rio Negro, Colorado. Distr. — Argentina.



- FOMICARIUS (Rondani), 1863:42 (*Micropeza*). Type-locality: "Chile". Distr. — Chile (Valparaiso).
reedii Cresson, 1926:264. Type-locality: "Chile".
 GIBBIVERTEX (Enderlein), 1922:160 (*Micropeza*). Type-locality: Argentina, Mendoza. Distr. — Argentina.

Genus MICROPEZA Meigen

- Tylos* Meigen, 1800:31. Type-species, *Musca corrigiolata* Linnaeus (Coquillett, 1910:618). Suppressed by I.C.Z.N., 1955:267.
Tylos, emend.
 MICROPEZA Meigen, 1803:276. Type-species, *Musca corrigiolata* Linnaeus (mon.).
Neriocephalus Enderlein, 1922:160. Type-species, *Micropeza appendiculata* Schiner (orig. des.).
Metopobrachia Enderlein, 1922:161. Type-species, *Micropeza obscura* Bigot (orig. des.).
Chiopeza Enderlein, 1922:162. Type-species, *Calobata pectoralis* Wiedemann (orig. des.).
Neotylus Hendel, 1932:121. Type-species, *Micropeza brasiliensis* Schiner (orig. des.).
Neotypus, error.
Protylos Aczél, 1949a:238 (as subgenus). Type-species, *Micropeza stigmatica* Wulp (orig. des.).
 More study will be required before a firm subgeneric classification of this genus can be made. It is not feasible to assign many species to the various groups that have been proposed, since the necessary characters are not available from descriptions.
 ABBREVIATA Cresson, 1926:262. Type-locality: Costa Rica, San Mateo, Hilguito. Distr. — Costa Rica.
 ALBISETA (Czerny), 1932:294 (*Metopobrachia*). Type-locality: Costa Rica, west of San José, farm La Caja. Distr. — Costa Rica. Ref. — Hennig, 1936:201, figs. 11-13.
 ANNULATA Schiner, 1868:249. Type-locality: "South America" (Venezuela). Distr. — Venezuela, Colombia.
 APPENDICULATA Schiner, 1868:250. Type-locality: "South America" (Venezuela). Distr. — Venezuela, Ecuador, Peru, Paraguay, Argentina. Refs. — Hendel, 1932:128, figs. 1 (p. 122), 5, 6 (p. 127); Hennig, 1934:71, fig. 17.
 ARGENTINIENSIS (Aczél), 1949a:244, fig. 5, pl. 1, fig. E (*Tylos*). Type-locality: Argentina, Tucumán, Villa Padre Monti. Distr. — Argentina.
 ARMIPENNIS (Bezzi), 1924:73, fig. 1 (*Chiopeza*). Type-locality: Brazil, São Paulo. Distr. — Brazil. Ref. — Albuquerque, 1966:39-45, figs. 1-18.
 ATRISETA (Czerny), 1932:294 (*Metopobrachia*). Type-locality: Costa Rica, San José. Distr. — Costa Rica.
 BIANNULATA Cresson, 1926:261. Type-locality: Costa Rica, San Mateo, Hilguito. Distr. — Costa Rica.
 BILINEATA Wulp, 1897:366. Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico, Costa Rica.

- BOGOTANA** (Enderlein), 1922:162 (*Chiopeza*). Type-locality: Colombia, Bogotá. Distr. — Colombia.
- BRASILIENSIS** Schiner, 1868:249. Type-locality: Brazil and Colombia. Distr. — Panama, Venezuela, Colombia, Brazil. Ref. — Hendel, 1932:17, figs. 3 (p. 122), 1, 8 (p. 127) (specimens from Venezuela).
- BREVIRADIALIS** (Hennig), 1936:208 (*Tylos*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — Panama.
- COLUMBIANA** (Enderlein), 1922:161 (*Metopobrachia*). Type-locality: Colombia, Bogotá and Ibagué. Distr. — Colombia.
- DISTENTA** Cresson, 1926:262. Type-locality: Panama, Taboga. Distr. — Panama.
- DISTINCTA** Schiner, 1868:250. Type-locality: Venezuela. Distr. — Venezuela. Ref. — Hendel, 1932:128, fig. (p. 122), figs. 2, 7 (p. 127).
- DIVISA** (Wiedemann), 1830:540 (*Calobata*). Type-locality: "Mexico". Distr. — Mexico.
- DORSALIS** (Hennig), 1936:204 (*Tylosq.* Type-locality: Paraguay, "Hohenau". Distr. — Paraguay.
- FLAVA** (Hennig), 1936:204 (*Tylos*). Type-locality: Peru, Chanchamayo. Distr. — Peru.
- INCISA** Wiedemann, 1830:547. Type-locality: "Brazil". Distr. — Brazil.
- LILLOI** (Aczél), 1949a:253, fig. 3A (p. 239), fig. 7B (p. 251), fig. 8; pl. 2, fig. F (*Tylos*, subg. *Protylos*). Type-locality: Argentina, Tucumán, San Pedro de Colalao. Distr. — Argentina.
- LIMBATA** Röder, 1885:347. Type-locality: West Indies, "Puerto Rico". Distr. — West Indies (Puerto Rico).
- LUTEIVENTRIS** (Czerny), 1932:294 (*Metopobrachia*). Type-locality: Brazil, on shipboard Pará [Belém] — Manaus. Distr. — Peru, Brazil, ?Panama.
- MACULICEPS** (Czerny), 1932:295 (*Metopobrachia*). Type-locality: Peru, Bella Vista near Callao. Distr. — Peru, Argentina. Ref. — Aczél, 1951:568.
- MACULIDORSUM** (Enderlein), 1922:161 (*Metopobrachia*). Type-locality: Brazil, Rio Grande do Sul, Pôrto Alegre. Distr. — Brazil.
- MARGINATA** (Hennig), 1936:206 (*Tylos*). Type-locality: Argentina, Salta. Distr. — Argentina. Ref. — Aczél, 1951: 559, fig. 18.
limbata Enderlein, 1922:162 (*Metopobrachia*). Type-locality: Argentina, Salta.
- NIGRICORNIS** Wulp, 1897:366. Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — Mexico.
- NIGRINA** Wulp, 1883:50. Type-locality: "Argentina". Distr. — Paraguay, Argentina. Ref. — Aczél, 1949a:258, fig. 9, pl. 2, fig. G.
fielbrigi Enderlein, 1922:160 (*Neriocephalus*). Type-locality: "Paraguay".
- OBSCURA** Bigot, 1886:387. Type-locality: "Mexico". Distr. — Mexico, Costa Rica.



- PALLENS** Wiedemann, 1830: 547. Type-locality: "Brazil". Distr. — Costa Rica, Brazil.
- PECTORALIS** (Wiedemann), 1830:540 (*Calobata*). Type-locality: "Mexico". Distr. — Mexico.
- occipitalis** Wulp, 1897:365. Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas.
- PERUANA** (Hennig), 1936:208 (*Tylos*). Type-locality: Peru, Pichis, Puerto Bermúdez. Distr. — Peru, Argentina. Ref. — Aczél, 1951:562, fig. 19, pl. 3, fig. L.
- PLANULA** Cresson, 1926:264. Type-locality: Venezuela, Carlaquito. Distr. — Venezuela.
- PRODUCTA** Walker, 1849:1056. Type-locality: U.S.A., Georgia. Distr. — U.S.A., West Indies (Cuba), Panama.
- RECTA** Cresson, 1926:261. Type-locality: Panama, Portobelo. Distr. — Panama.
- REUNIENS** (Hennig), 1936:205, fig. 14 (*Tylos*). Type-locality: Guatemala, Moca, Guatalon. Distr. — Guatemala.
- RUFICEPS** Wulp, 1897:365. Type-locality: Mexico, northern Sonora. Distr. — Mexico, U.S.A.
- flaviventris** Cole, 1923:477, fig. 16 (p. 481). Type-locality: Mexico, Baja California, Mulegé.
- SAGITTIFER** Cresson, 1926:263. Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil.
- SIMILIS** (Aczél), 1949a:273, figs. 11C (p. 267), 12, pl. 2, fig. I (*Tylos*, subg. *Protylos*). Type-locality: Argentina, Mendoza, Lavalle. Distr. — Argentina.
- STIGMATICA** Wulp, 1897:366, pl. 9, figs. 17, 17a. Type-localities: Mexico, northern Sonora, Jalisco (San Blas), Veracruz (Atoyac and Medellín) Córdoba (San Lorenzo), Guerrero (Dos Arroyos). Distr. — U.S.A., Mexico, Central America, Brazil, Bolivia, Paraguay, Argentina.
- longiceps** Hendel, 1932:123, fig. 5 (p. 122), fig. 3 (p. 127). Type-locality: Paraguay, Asunción, Trinidad.
- SUBRECTA** Cresson, 1926:161. Type-locality: Costa Rica, San Mateo, Higuilo. Distr. — Costa Rica.
- SUFFLAVA** (James), 1954:248, fig. 1 (*Tylos*, subg. *Neriocephalus*). Type-locality: Mexico, Michoacán, Cerro Tancitaro. Distr. — Mexico. N. COMB.
- TABERNILLA** Cresson, 1926:263. Type-locality: Panama, Canal Zone, Tabernilla. Distr. — Honduras, Panama.
- TARSALIS** (Aczél), 1949a:249, figs. 6, 7a, pl. 1, fig. E (*Tylos* s.s.). Type-locality: Argentina, Salta, Cerro San Bernardino. Distr. — Argentina.
- TRIANNULATA** (Czerny), 1932:296 (*Metopobrachia*). Type-locality: Costa Rica, San José, farm La Caja. Distr. — Costa Rica.
- VENTRALIS** Cresson, 1930:356. Type-locality: Mexico, D.F., Tacubaya. Distr. — U.S.A. Mexico.

VERTICALIS Cresson, 1930:357. Type-locality: West Indies, Cuba, Baracoa.
Distr. — West Indies (Cuba).

Subfamily TAENIAPTERINAE

Genus CALOSPHEEN Hennig

CALOSPHEEN Hennig, 1934:310. Type-species, *Tanypoda strophium* Enderlein (orig. des.).

AURISTRIGATUS Hennig, 1934:312. Type-locality: Bolivia, Mapiri, San Carlos.
Distr. — Bolivia.

MERIDIONALIS Hennig, 1934:312. Type-locality: "Bolivia". Distr. — Bolivia.

PLEURALIS (Cresson), 1930:321 (*Rainieria*). Type-locality: Colombia, San Lorenzo Mts., Vista Nieve. Distr. — Colombia.

PRINCEPS (Schiner), 1868:251 (*Calobata*). Type-locality: "South America" (Venezuela). Distr. — Venezuela.

STROPHIUM (Enderlein), 1922:203 (*Tanypoda*). Type-locality: Colombia, Cordillera, "tierra templada". Distr. — Colombia, Venezuela.

Genus CARDIACEPHALA Macquart

CARDIACEPHALA Macquart, 1843:399 (sep. p. 242). Type-species, *Musca longipes* Fabricius (orig. des.) = *guttata* (Walker).

GUTTATA (Walker), 1852:394 (*Calobata*). Type-locality: "Brazil". Distr. — Guyana, French Guiana, Surinam, Brazil. Ref. — Steyskal, 1967:79 (synonymy).

longipes Fabricius, 1787:348 (*Musca*; preocc. Scopoli, 1763). Type-locality: "Cayenne" (= French Guiana).

triluminata Cresson, 1930:330 (nom. nov. for *Musca longipes* Fabricius).

SECUNDA Hennig, 1935:52; 1934: pl. 3, fig. 2 (without differentiating statement). Type-locality: Ecuador, Cordillera. Distr. — Ecuador.

Genus CHAETOTYLUS Hendel

CHAETOTYLUS Hendel, 1932:130. Type-species, *obstitus* Hendel (mon.).

OBSTITUS Hendel, 1932:132. Type-locality: Bolivia, west of Santa Cruz de la Sierra. Distr. — Bolivia.

Genus CLIQBATA Enderlein

CLIQBATA Enderlein, 1923:540. Type-species, *Calobata guttipennis* Wiedemann (orig. des.).

EGUTTATA (Enderlein), 1922:205 (*Tanypoda*). Type-locality: Colombia, "tierra templada". Distr. — Colombia.

DIADEMA (Wiedemann), 1830:533 (*Calobata*). Type-locality: "Brazil". Distr. — Colombia, Brazil. Ref. — Hennig, 1935:41.

nigrifilum Walker, 1852:393 (*Calobata*). Type-locality: "South America".

DIADEMOIDES Hendel, 1933:62. Type-locality: Brazil, Bahia. Distr. — Brazil.

- EQUES (Schiner), 1868:251 (*Calobata*). Type-locality: "South America" (Venezuela). Distr. — Venezuela, Ecuador, Bolivia.
- FENESTRATA (Czerny), 1932:273 (*Rainieria*). Type-locality: Brazil, São Paulo, "Alto da Serra" (= Paranapiacaba). Distr. — Brazil.
- GUTTIPENNIS (Wiedemann), 1830:538 (*Calobata*). Type-locality: "Brazil". Distr. — Brazil, Paraguay.
- guttata* Enderlein, 1922:205 (*Tanypoda*). Type-locality: Brazil, Espírito Santo.
- GUTTULPENNIS (Enderlein), 1923:541 (*Scipopus*). Type-locality: Brazil, Santa Catarina, Blumenau. Distr. — Brazil, Paraguay.
- pellucida* Czerny, 1932:275 (*Rainieria*). Type-locality: Brazil, Rio Grande do Sul.
- LUNARIS (Wiedemann), 1830:541 (*Calobata*). Type-locality: "Brazil". Distr. — Brasil.
- melanopus* Bigot, 1886:379 (*Taeniptera*). Type-locality: "Brazil".
- MUELLERI (Enderlein), 1922:202 (*Tanypoda*). Type-locality: Brazil, Santa Catarina, Blumenau. Distr. — Brazil.
- ORCINA (Wiedemann), 1830:541 (*Calobata*). Type-locality "Brazil". Distr. — Brazil, Paraguay.
- RAPTIMANUS (Bezzi), 1924:75, fig. 2 (*Scipopus*). Type-locality: Brazil, São Paulo. Distr. — Brazil.
- TRIMACULATA (Czerny), 1932:275 (*Rainieria*). Type-locality: Brazil, Santa Catarina, Humboldt [Hansa] (= Corupá); San Vicente (= São Vicente, State of São Paulo, near Santos); Rio Grande do Sul, Santa Cruz; and Santos (State of São Paulo). Note: Holotype not designated. Distr. — Brazil. Ref. — Steyskal, 1967:79 (synonymy).

Genus GRALLIPEZA Rondani

GRALLIPEZA Rondani, 1850:180. Type-species, *Calobata unimaculata* Macquart (orig. des.).

Systellapha Enderlein, 1922:189. Type-species, *ornatithorax* Enderlein (orig. des.).

This genus is in need of revision and most records must be doubted; therefore, except for *G. unifasciata*, only type-localities are cited.

ACUTIVITTA (Hendel), 1936:67 (*Systellapha*). Type-locality: Brazil, Pará, Taperinha. Distr. — Brazil.

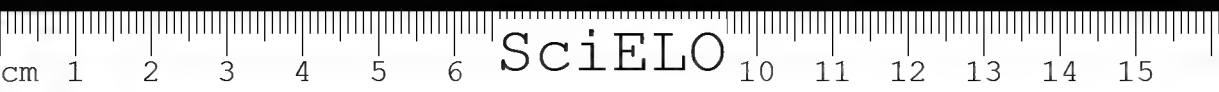
AFFINIS Hennig, 1934:308, pl. 1, fig. 27. Type-locality: Bolivia, Mapiri, San Carlos. Distr. — Bolivia.

AMAZONICA (Enderlein), 1922:192 (*Systellapha*). Type-locality: Brazil, Upper Amazon area. Distr. — Brazil.

ARCUATA Hennig, 1934:303. Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.

AURIORNATA Hennig, 1934:310. Type-locality: "Loja" (almost certainly town and province in Ecuador). Distr. — Ecuador.

- BARACOA (Cresson), 1926:265 (*Systellapha*). Type-locality: West Indies, Cuba, Baracoa. Distr. — West Indies (Cuba). Ref. — Steyskal, 1967:82, fig. 8.
- CALLANGANA (Enderlein), 1922:192 (*Systellapha*). Type-locality: Peru, Cuzco, Callanga, Pinipini Valley. Distr. — Peru.
- CANTATA (Cresson), 1926:266 (*Systellapha*). Type-locality: Brazil, Rio Tefé, Boa Vista do Jaquiri. Distr. — Brazil.
- CRISTULATA (Cresson), 1926:265 (*Systellapha*). Type-locality: Mexico, Veracruz, Córdoba. Distr. — Mexico.
- ECUADORIENSIS (Enderlein), 1922:193 (*Systellapha*). Type-locality: Ecuador, Guayaquil. Distr. — Ecuador.
- ELEGANS Hennig, 1934:309, pl. 1, fig. 20. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- FLAVICAUDATA (Cresson), 1926:266 (*Systellapha*). Type-locality: West Indies, Montserrat Island. Distr. — West Indies (Montserrat).
flavicauda, error.
- FOOTEI (Cresson), 1926:266 (*Systellapha*). Type-locality: West Indies, Dominica Island (not Santo Domingo = Dominican Republic). Distr. — West Indies (Dominica).
- GRACILIS Hennig, 1934:302. Type-locality: Peru, mouth of Pachitea River. Distr. — Peru.
- HYALOPTERA (Hendel), 1936:66 (*Rainieria*). Type-locality: Brazil, Pará, Belém. Distr. — Brazil.
- IMBECELLA (Enderlein), 1922:192 (*Systellapha*). Type-locality: Brazil, Santa Catarina, Blumenau. Distr. — Brazil.
- MAGNA Hennig, 1934:303. Type-locality: Guyana, Essequibo River, Moraballi Creek. Distr. — Guyana.
- MELLEIA (Williston), 1896:373, pl. 12, fig. 125 (*Calobata*). Type-locality: West Indies, Saint Vincent Island. Distr. — West Indies (Saint Vincent). Ref. — Steyskal, 1967:80.
- NEBULOSA (Loew), 1866:48 (Cent. 7. no. 89) (*Calobata*). Type-locality: U.S.A., Florida. Distr. — U.S.A., West Indies (Haiti), Costa Rica. These latter records, cited by Cresson, 1908:8, need confirmation. Ref. — Steyskal, 1967:83, fig. 7.
- NIGRINOTATA Hennig, 1934:304, pl. 1, fig. 25. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- OBSCURA Hennig, 1934:300, pl. 1, fig. 24. Type-locality: Bolivia, Mapiri, San Carlos. Distr. — Bolivia.
- ORNATTHORAX (Enderlein), 1922:190 (*Systellapha*). Type-locality: Paraguay, Sapucay; southern Brazil. Distr. — Brazil, Paraguay.
maculifrons Czerny, 1931:22 (*Systellapha*). Type-locality: Brazil, São Paulo, Bocaina, Fazenda do Bonito.
- PALLIDEFASCIATA (Maquart), 1855:147 (sep. p. 127), pl. 7, fig. 10 (*Calobata*). Type-locality: "South America". Distr. — South America (more exact locality unknown).



- loewi* Enderlein, 1922:191 (*Systellapha*). Type-locality: "South America".
- PANAMAENSIS (Cresson), 1926:268 (*Systellapha*). Type-locality: Panama, Alhajucla. Distr. — Panama. Note: Not synonym of *G. unifasciata* (F.), as cited by Hennig, 1934:302; type has 2 dorsocentrals and runs in Hennig's key to *G. arcuata* and *G. gracilis*, but differs from each of these.
- PLACIDA (Loew), 1866:49 (Cent. 7, no. 90) (*Calobata*). Type-locality: West Indies, "Cuba". Distr. — West Indies (Cuba). Ref. — Steyskal, 1967:80.
- PLACIDOIDES (Cresson), 1926:265 (*Systellapha*). Type-locality: West Indies, Saint Lucia Island, Castries. Distr. — West Indies (Saint Lucia).
- PLEURITICA (Johnson), 1894:279 (*Calobata*). Type-locality: West Indies, Jamaica, Port Antonio. Distr. — West Indies (Jamaica). N. COMB., from specimen in U.S. National Museum labeled "Jamaica".
- PRONIGRA Hennig, 1934:301. Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.
- PSEUDOSIMPLEX Hennig, 1934:309, pl. 1, fig. 26. Type-locality: Bolivia, Mapi, San Carlos. Distr. — Bolivia.
- PULCHRIFRONS (Cresson), 1926:267 (*Systellapha*). Type-locality: Panama, Trinidad Rio. Distr. — Panama.
- RUSSULA (Wulp), 1897:370, pl. 9, fig. 22 (*Calobata*). Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico.
- SCURRA (Enderlein), 1922:191 (*Systellapha*). Type-locality: West Indies, "Puerto Rico". Distr. — West Indies (Puerto Rico).
- SIMPLEX (Wiedemann), 1830:542 (*Calobata*). Type-locality: "Brazil". Distr. — Brazil.
- SPINULIGER (Cresson), 1926:267 (*Systellapha*). Type-locality: West Indies, Dominica Island (not Santo Domingo = Dominican Republic). Distr. — West Indies (Dominica).
- SUAVIS (Enderlein), 1922:194 (*Systellapha*). Type-locality: Brazil, Pará, Ilha Marajó, Soure. Distr. — Brazil.
- UNIFASCIATA (Fabricius), 1805:262 (*Calobata*). Type-locality: "South America". Distr. — Panama, Colombia, Guyana.
- columbiana* Enderlein, 1922:193 (*Systellapha*). Type-locality: Colombia, Cordillera, "tierra caliente".
- UNIMACULATA (Macquart), 1846:343 (sep. p. 215), pl. 19, fig. 4 (*Calobata*). Type-locality: "Colombia". Distr. — Colombia, Peru, Brazil.
- VICINA Hennig, 1934:305. Type-locality: Guyana, Essequibo River, Moraballi Creek. Distr. — Guyana.

Genus HOPLOCHEILOMA Cresson

- HOPLOCHEILOMA Cresson, 1926:272. Type-species, *Musca fasciata* Fabricius (orig. des.) = *fabricii* Steyskal, v.l.
- Gymnosphen* Frey, 1927:71. Type-species, *macropyga* Frey (orig. des.).



FABRICII Steyskal, nom. nov. for *Musca fasciata* Fabricius, 1775. Distr. — U.S.A. (Florida), West Indies (Cuba, Jamaica, Puerto Rico), Brazil.

fasciata Fabricius, 1775:781 (*Musca*; preocc. O.F. Mueller 1764). Type-locality: "West Indies".

FERRUGATUM Hennig, 1935:56; 1934: pl. 4, fig. 2 (without differentiating statement). Type-locality: Mexico, Yucatán, Chichén Itzá. Distr. — Mexico.

MACROPYGA (Frey), 1927:71 (*Gymnosphen*). Type-locality: Brazil, Amazonas, Rio Negro. Distr. — Brazil.

MACULOSUM (Loew), 1866:48 (Cent. 7, no. 88) (*Calobata*). Type-locality: West Indies, "Cuba". Distr. — West Indies (Cuba).

NOTTIPENNE Cresson, 1926:272. Type-locality: West Indies, Dominican Republic, San Francisco Mountains. Distr. — West Indies (Dominican Republic).

PERFORATUM (Enderlein), 1922:202 (*Tanypoda*). Type-locality: "Brazil". Distr. — Brazil.

Genus MESOCONIUS Enderlein

MESOCONIUS Enderlein, 1922:176. Type-species, *infestus* Enderlein (orig. des.).

AERIPENNIS Enderlein, 1922:180. Type-locality: Ecuador, Baños. Distr. — Ecuador.

ALBIMANUS Enderlein, 1922:180. Type-locality: Peru, Cuzco, Callanga, Pinipini Valley. Distr. — Colombia, Peru, Bolivia.

AURISTRIGATUS Enderlein, 1922:178. Type-locality: "Colombia". Distr. — Colombia.

ENDERLEINI Frey, 1927:72. Type-locality: Colombia, Aguatal and San Antonio. Distr. — Colombia.

FLAVICEPS Enderlein, 1922:178. Type-locality: "Colombia". Distr. — Colombia.

FULVUS Enderlein, 1922:177. Type-locality: Ecuador, Santa Inez. Distr. — Ecuador.

GARLEPPI Enderlein, 1922:177. Type-locality: Peru, Cuzco, Callanga, Pinipini Valley. Distr. — Ecuador, Peru.

HEMITHORAX Frey, 1927:73. Type-locality: Panama, Lino. Distr. — Panama.

INFESTUS Enderlein, 1922:179. Type-locality: Peru, Cuzco, Callanga, Pinipini Valley; Bolivia, Songo, San Antonio. Distr. — Peru, Bolivia.

OBTUSICONUS Enderlein, 1922:179. Type-locality: Peru, Cuzco, Callanga, Pinipini Valley. Distr. — Peru.

RUFTHORAX Enderlein, 1922:178. Type-locality: Peru, Cuzco, Callanga, Pinipini Valley. Distr. — Peru.

UJHELYIANUS Enderlein, 1922:177. Type-locality: Colombia, Sierra San Lorenzo. Distr. — Colombia.

Genus METASPHEN Frey

- METASPHEN Frey, 1927:71. Type-species, *vigilans* Frey (orig. des.).
VIGILANS Frey, 1927:71. Type-locality: Brazil, Amazonas, Taracúá, Rio
Uaupés, and Manaus. Distr. — Brazil.

Genus PARASPHEN Enderlein

- PARASPHEN Enderlein, 1922:226. Type-species, *amazonicus* Enderlein (orig.
des.).
AMAZONICUS Enderlein, 1922:226. Type-locality: Brazil, Upper Amazon re-
gion. Distr. — Guyana, Brazil.
VAR. RUFICAUDA Curran, 1932:2. Type-locality: Guyana, Bartica district,
Kartabo.
FRONTALIS Cresson, 1930:336. Type-locality: Guyana, Bartica district, Kar-
tabo. Distr. — Guyana, Brazil.

Genus PLOCOSCELUS Enderlein

- PLOCOSCELUS Enderlein, 1922:226. Type-species, *Calobata arthritica* Wiede-
mann (orig. des.).
Rhoecus Enderlein, 1922:227. Type-species, *valgus* Enderlein (orig. des.)
= *niger* (Schiner).
ARTHRETICUS (Wiedemann), 1830:546 (*Calobata*). Type-locality: not cited.
Distr. — Mexico to Panama, Surinam, Venezuela, Colombia (Isla
Gorgona), ?Peru.
myrmex Schiner, 1868:254 (*Cardiacephala*). Type-locality: "South
America".
fuscimanus Czerny, 1931:25. Type-locality: Costa Rica, Surrubres.
BREVIPENNIS (Walker), 1852:389 (*Calobata*). Type-locality: "Brazil". Distr.
— Surinam, Venezuela, Colombia, Ecuador, Peru, Bolivia, Brazil.
CAMPTOMERUS (Bigot), 1886:375 (*Calobata*). Type-locality: "Brazil". Distr.
— Brazil.
CINNAMEUS Hennig, 1935:50; 1934: pl. 2, fig. 21 (without differentiating
statement). Type-locality: Bolivia, Mapiiri, Sarampiuni. Distr. —
Bolivia.
CONIFER (Hendel), 1933b:217 (*Cardiacephala*). Type-locality: Paraguay,
Areguá. Distr. — Guyana, Brazil, Paraguay.
haedulus Hennig, 1935:51; 1934: pl. 3, fig. 5 (without differentiating
statement). Type-locality: Brazil, Amazonas, Tefé.
HARENOSUS Cresson, 1930:333 (as *Ploscelus*, lapsus). Type-locality: Colom-
bia, Puerto Colombia. Distr. — Mexico to Panama, Guyana, Co-
lombia.
MODESTUS Cresson, 1930:334. Type-locality: Guatemala, Puerto Barrios.
Distr. — Guatemala, ?Guyana, Brazil.
santosanus Czerny, 1932:287. Type-locality: Brazil, São Paulo, Santos.
NIGER (Schiner), 1868:255 (*Cardiacephala*). Type-locality: "South Ameri-
ca". Distr. — Mexico to Panama, Guyana, Colombia, Venezuela,
Peru, Bolivia, Brazil.

- valgus* Enderlein, 1922:228 (*Rhoecius*). Type-locality: Bolivia, Sara; Colombia.
- NITIDUS* Hennig, 1935:49. Type-locality: "Brazil". Distr. — Brazil.
- PERUANUS* Hennig, 1935:49. Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.
- ICINUS* Cresson, 1930:334. Type-locality: Panama, Canal Zone, Red Tank. Distr. — Panama.
- PLURIMACULATUS* Czerny, 1932:286. Type-locality: Ecuador, Guayaquil. Distr. — Ecuador.
- PODAGRICUS* (Rondani), 1848:86 (*Cardiacephala*). Type-locality: "Brazil". Distr. — Brazil, Peru.
- elegans* Hendel, 1936:64 (*Cardiacephala*). Type-locality: Brazil, Pará, Belém.
- PUNCTIPENNIS* (Macquart), 1843:404 (sep. p. 247) (*Calobata*). Type-locality: "Brazil or Chile". Distr. — Brazil, ?Chile.
- wiengreeni* Czerny, 1932:288. Type-locality: Brazil, Rio de Janeiro, Nova Friburgo.
- SCHILD* Cresson, 1930:334. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica, Guyana.
- SETOSUS* Hennig, 1935:49. Type-locality: Peru, Urubamba River, Umuhuan-kiali. Distr. — Peru.
- TOWNSENDI* Cresson, 1930:335. Type-locality: Peru, Río Charape. Distr. — Guyana, Surinam, Brazil (Amazonas), Peru.

Genus *POECILOTYLUS* Hennig

- Poecilomyia* Hennig, 1934:96 (preocc. Hendel, 1911). Type-species, *Calobata varia* Wiedemann (orig. des.).
- POECILOTYLUS* Hennig, 1934:294 (nom. nov. for *Poecilomyia* Hendel). Type-species, *Calobata varia* Wiedemann (aut.).

Subgenus *HEMIMICHAETA* Hennig

- Poecilomyia*, subg. *HEMIMICHAETA* Hennig, 1934:97, 104. Type-species, *Grallomyia scutellata* Cresson (present designation).
- LANDROCKI* (Czerny), 1932:297 (*Mimegralla*). Type-locality: Brazil, São Paulo, Alto da Serra (= Paranapiacaba). Distr. — Brazil.
- QUINQUEMACULATUS* (Czerny), 1932:283 (*Grallomyia*). Type-locality: Costa Rica, San José. Distr. — Costa Rica.
- SCUTELLATUS* (Cresson), 1930:341 (*Grallomyia*). Type-locality: Panama, Canal Zone, Tabernilla. Distr. — Panama, Venezuela.
- SIMILIS* Hennig, 1934:104. Type-locality: Brazil, São Paulo, Alto da Serra (= Paranapiacaba). Distr. — Brazil.

Subgenus *POECILOTYLUS* Hennig

- BISTRIGATUS* (Enderlein), 1922:220 (*Grallomyia*). Type-locality: "Brazil". Distr. — Brazil.

- BUSCKI (Cresson), 1930:342 (*Grallomyia*). Type-locality: Panama, Alhajuela. Distr. — Costa Rica, Panama. Ref. — Steyskal, 1967:81, fig. 6.
- EGREGIUS (Hennig), 1934:98, pl. 1, fig. 22 (*Poecilomyia*). Type-locality: Bolivia, Mapiiri, San Antonio. Distr. — Brazil, Bolivia.
- LEUCOMELAS (Walker), 1852:392 (*Calobata*). Type-locality: "South America". Distr. — South America (more exact locality not known). Ref. — Steyskal, 1967:80.
- varipes* Walker, 1852:392 (*Calobata*). Type-locality: "South America". See also *Ptilosphen aequifemur* Hennig.
- LIVIDISOCCATUS (Enderlein), 1922:222 (*Grallomyia*). Type-locality: Peru, Cuzco, Callanga, Pinipini Valley. Distr. — Peru.
- LURIDILABRIS (Enderlein), 1922:213 (*Grallomyia*). Type-locality: Brazil, Upper Amazon area. Distr. — Venezuela, Peru, Bolivia, Brazil.
- clathrata* Czerny, 1932:282 (*Grallomyia*). Type-locality: Brazil, Santa Catarina.
- MINOR (Hennig), 1934:101 (*Poecilomyia*). Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.
- OBLIQUUS (Fabricius), 1805:261 (*Calobata*). Type-locality: "South America". Distr. — Guatemala to Panama, Guianas, Venezuela, Colombia, Brazil, Peru, Bolivia.
- poecila* Schiner, 1868:254 (*Calobata*). Type-locality: "South America".
- alicia* Curran, 1932:3 (*Grallomyia*). Type-locality: Guyana, Bartica district, Kartabo.
- PARAGUAYENSIS (Enderlein), 1922:207 (*Tanypoda*). Type-locality: Paraguay, San Bernardino. Distr. — Paraguay.
- PICTUS Hennig, 1937c:521. Type-locality: Bolivia, Yungas de la Paz. Distr. — Bolivia.
- STELLATUS (Wulp), 1897:375 (*Calobata*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico to Panama, Venezuela, Guyana.
- TESTACEUS (Fabricius), 1805:261 (*Calobata*). Type-locality: "South America". Distr. — Guyana, Surinam, Brazil, Peru, Bolivia.
- TRICOLORUS (Enderlein), 1922:218 (*Grallomyia*). Type-locality: Peru, Cuzco, Callanga, Pinipini Valley. Distr. — Peru.
- TRIFASCIATUS (Wiedemann), 1830:545 (*Calobata*). Type-locality: "Brazil". Distr. — Brazil.
- VARIUS (Wiedemann), 1830:545 (*Calobata*). Type-locality: "Brazil". Distr. — Costa Rica, Panama, Guyana, Brazil.
- flavipes* Macquart, 1848:227 (sep. p. 67), pl. 7, fig. 14 (*Calobata*). Type-locality: "Brazil".

Genus PSEUDEURYBATA Hennig

PSEUDEURYBATA Hennig, 1934:72, pl. 4, figs. 5, 6. Type-species, *stigmatica* Hennig (mon.).

STIGMATICA Hennig, 1935:28; 1934: pl. 4, figs. 5, 6 (without differentiating statement). Type-locality: Panama, Canal Zone, Barro Colorado Island.

Genus PTILOSPHEN Enderlein

PTILOSPHEN Enderlein, 1922:222. Type-species, *Calobata insignis* Wiedemann (orig. des.).

AEQUIFEMUR Hennig, 1934:320 (as var. of *P. varipes* [Walker] = *Poecilotylys leucomelas* [Walker]). Type-locality: Venezuela, Mérida. The specimens Hennig referred to *varipes* Walker, including this "variety", are probably 1 or 2 species of *Ptilosphen*, for which the name *aequifemur* is available.

ALBIBASIS Enderlein, 1922:224. Type-locality: Mexico, Oaxaca. Distr. — Mexico.

COMIS Cresson, 1930:347. Type-locality: Guyana, Kamakusa. Distr. — Guyana, Brazil.

subgentilis Hendel, 1936:71. Type-locality: Brazil, Pernambuco, Recife; Pará, Belém.

CONVENIENS (Wulp), 1897:373 (*Calobata*). Type-locality: Panama, Bugaba. Distr. — Costa Rica, Panama.

CYANEIVENTRIS (Macquart), 1846:343 (sep. p. 215), pl. 19, fig. 5 (*Calobata*). Type-locality: "Colombia". Distr. — Mexico to Panama, Venezuela, Colombia, Brazil.

callichroma Bigot, 1886:373 (*Calobata*). Type-locality: "Mexico".

DUBIUS Hennig, 1934:316, pl. 2, fig. 6, pl. 3, fig. 11. Type-locality: Bolivia, Mapi, Sarampiuni; San Ernesto; San Carlos; San Antonio; Peru, Chanchamayo; Urubamba River, Umuhuankiali. Distr. — Bolivia, Peru.

ENDERLEINI Cresson, 1930:346. Type-locality: Peru, Puerto Bermúdez, Rio Pichis. Distr. — Peru, Brazil.

FACETUS Enderlein, 1922:225. Type-locality: Ecuador, Balzapamba. Distr. — Ecuador.

FULVUS (Walker), 1849:1050 (*Calobata*). Type-locality: Brazil, Pará. Distr. — Brazil. Ref. — Steyskal, 1967:77 (synonymy).

ochraceus Enderlein, 1922:225. Type-locality: Brazil, Pará.

GENTILIS Cresson, 1930:348. Type-locality: Costa Rica, San Carlos. Distr. — Costa Rica, Panama, Ecuador, Colombia (Isla Gorgona).

INSIGNIS (Wiedemann), 1830:533 (*Calobata*). Type-locality: "Brazil". Distr. — Trinidad, Guyana, Brazil, Peru, Bolivia.

nigrifrons Bigot, 1886:374 (*Calobata*). Type-locality: "Brazil".

MIMICUS Cresson, 1930:348. Type-locality: Peru, Pichis and Perene Valleys. Distr. — Peru.

RUFFRONS Enderlein, 1922:224. Type-locality: Colombia, Cordillera, "tierra caliente". Distr. — Panama, Colombia, Ecuador.

TETRASTIGMA (Schiner), 1868:252 (*Calobata*). Type-locality: "South America". Distr. — Venezuela, Colombia, Brazil, ?Peru, Bolivia.

- cinctiventris* Enderlein, 1922:225. Type-locality: Colombia, Cordillera: "tierra caliente".
cinctinentris, misspelling.
VIRIOLATUS Enderlein, 1922:224. Type-locality: Guatemala, Tumbador; Costa Rica. Distr. — Costa Rica, Guatemala, Venezuela.

Genus RAINIERIA Rondani

- RAINIERIA Rondani, 1843:40. Type-species, *Calobata calceata* Fallén (orig. des.).
Tanipoda Rondani, 1856:116. Type-species, *Calobata calceata* Fallén (orig. des.).
Tanypoda, emend.

Subgenus GLOBOMYIA Hennig

- Rainieria*, subg. GLOBOMYIA Hennig, 1935:65. Type-species, *obscura* Hennig (orig. des.).
GILVIMANA Cresson, 1926:269. Type-locality: Panama, Alhajuela. Distr. — Honduras to Panama, Venezuela.
OBSCURA Hennig, 1935:65. Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.
RUBELLA (Wulp), 1897:368, pl. 9, fig. 18 (*Calobata*). Type-locality: Mexico; Guerrero, Omilteme. Distr. — Mexico.
WIEDEMANNI (Enderlein), 1922:208 (*Tanypoda*). Type-locality: "? , vielleicht Südamerika". Distr.?

Subgenus RAINIERIA Rondani

- ALTERNATA Cresson, 1926:268. Type-locality: Panama, Portobelo. Distr. — Panama, Brazil.
BOLIVIANA Hennig, 1935:62; 1934: pl. 3, fig. 7 (without differentiating statement). Type-locality: Bolivia, Mapiiri, San Antonio; San Carlos. Distr. — Bolivia.
PARAFFINIS Hennig, 1935:51. Type-locality: Guyana, Essequibo River, Moraballi Creek. Distr. — Guyana.
PERUANA (Enderlein), 1922:206 (*Tanypoda*). Type-locality: Peru, Chanchamayo. Distr. — Peru.
PLECTILIS (Giglio-Tos), 1893:14 (Ditt. Mess.: 62) (*Calobata*). Type-locality: "Mexico". Distr. — Mexico.
POSTICA Curran, 1932:2. Type-locality: Guyana, Bartica district, Kartabo. Distr. — Guyana, Peru, Bolivia.
SOCCATA (Enderlein), 1922:206 (*Tanypoda*). Type-locality: Brazil, Upper Amazon. Distr. — Brazil, Bolivia.
TRITAENIOLATA (Enderlein), 1922:206 (*Tanypoda*). Type-locality: Mexico, Chiapas, Soconusco; Costa Rica. Distr. — Mexico, Guatemala, Costa Rica.
UDA Cresson, 1930:320. Type-locality: Honduras, Sangrelaya. Distr. — Honduras.

UNIFORMIS Hennig, 1935:60. Type-locality: Brazil, Santa Catarina, Blumenau. Distr. — Brazil.

Subgenus RAINIERIELLA Hennig

Rainieria, subg. RAINIERIELLA Hennig, 1935:59, 64. Type-species, *andorum* Hennig (Aczél, 1949a:362).

ANDORUM Hennig, 1935:64. Type-locality: Bolivia, Mapiri, San Carlos. Distr. — Bolivia.

CALOSOMA (Bigot), 1886:379 (*Taeniptera*). Type-locality: "Mexico". Distr. — Mexico, Honduras, Guatemala, Guyana.

bracteata Wulp, 1897:371, pl. 9, fig. 23 (*Calobata*) Type-locality: Mexico, Vera Cruz.

PYGMAEA Hennig, 1935:65. Type-locality: Guyana, Essequibo River, Moraballi Creek. Distr. — Guyana.

Genus SCIPOPUS Enderlein

SCIPOPUS Enderlein, 1922:208. Type-species, *Calobata erythrocephala* Fabricius (orig. des.).

Subgenus PHAEOPTERINA Frey

PHAEOPTERINA Frey, 1927:73 (as genus). Type-species, *heteropus* Frey (orig. des.).

Phaeopterinus, emend.

HETEROPUS (Frey), 1927:74 (*Phaeopterina*). Type-locality: Bolivia, Yungas. Distr. — Brazil, Ecuador, Peru, Bolivia.

SEXGUTTATUS Enderlein, 1922:209. Type-locality: Venezuela; Colombia. Distr. — Venezuela, Colombia.

Subgenus SCIPOPUS Enderlein

BELZEBUL (Schiner), 1868:251 (*Calobata*). Type-locality: "South America". Distr. — Panama south to Brazil and Bolivia.

BOLIVIANUS Hennig, 1934:328. Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.

BREVIURCA Enderlein, 1922:210. Type-locality: Ecuador, Santa Inez. Distr. Ecuador, "Brazil, Pebas" (Hennig, 1937b:48). This latter locality more likely refers to Pebas, Peru.

CALOCEPHALA (Bigot), 1886:375 (*Calobata*). Type-locality: "Mexico". Distr. — Mexico, Guatemala, Costa Rica, Brazil, Peru.

opacus Enderlein, 1922:212. Type-locality: Guatemala, Tumbador; Peru, Cuzco, Callanga, Pinipini Valley.

CARTABOENSIS Cresson, 1926:270. Type-locality: Guyana, Bartica district, Kartabo. Distr. — Surinam, Guyana, Venezuela, Ecuador, Brazil.

CHALYBEUS Hennig, 1934:328, pl. 3, fig. 24. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Peru, Bolivia, ?Chile.

COMPEDITUS Hennig, 1934:329. Type-locality: "Mexico". Distr. — Mexico.

- DIVERSUS** (Schiner), 1868:250 (*Calobata*). Type-locality: "South America". Distr. — Guyana, Colombia, Venezuela, Brazil, Peru, Bolivia, Paraguay.
- ruficeps* Hendel, 1936:68 (in part). Type-locality: Brazil, Pará, Tapeinha. Ref. — Hennig, 1938:14 (synonymy; types include *S. diversus* and *erythrocephalus*).
- ERYTHROCEPHALUS** (Fabricius), 1805:260 (*Calobata*). Type-locality: "South America". Distr. — Panama south to Brazil and Bolivia.
- hottentota* Robineau-Desvoidy, 1830:737 (*Neria*). Type-locality: "Cap de Bonne-Esperance" (erroneous).
- loripes* Perty, 1833:188, pl. 37, fig. 12 (*Micropeza*). Type-locality: Brazil, Piauí.
- penicillus* Enderlein, 1922:211. Type-locality: Bolivia; Surinam; Brazil.
- ruficeps* Hendel, 1936:68 (in part), see *S. diversus*.
- FRIT** Cresson, 1926:270. Type-locality: Honduras, Sangreleya. Distr. — Mexico to Panama, Venezuela, Colombia (Isla Gorgona).
- FURCIFER** Hennig, 1934:327, pl. 2, fig. 16, pl. 3, figs. 28, 29. Type-locality: British Honduras, Belize. Distr. — British Honduras.
- GORGONAE** Hennig, 1934:329. Type-locality: Colombia, Isla Gorgona. Distr. — Colombia (Isla Gorgona).
- LATERALIS** Hennig, 1934:326. Type-locality: Ecuador, Cordilleras. Distr. — Ecuador.
- LIMBATIVERTEX** Enderlein, 1922:211. Type-locality: Colombia, Cordillera, "tierra caliente", and Muzo; Brazil, Mato Grosso; Mexico, Chiapas, Soconusco. Distr. — Mexico to Panama, Colombia, Brazil, Bolivia.
- MANIFESTUS** (Wulp), 1897:370, pl. 9, fig. 20 (*Calobata*). Type-locality: Costa Rica, Volcano Irazu. Distr. — Costa Rica. Ref. — Steyskal, 1967:80.
- MELANEURIS** Cresson, 1926:271. Type-locality: West Indies, Dominica Island (not Santo Domingo = Dominican Republic). Ref. — Steyskal, 1967:81.
- NIGRIPENNIS** (Hendel), 1922 (April): 231 (*Tanypoda*). Type-locality: Ecuador, Balzapamba. Distr. — Colombia, Ecuador.
- albimanus* Enderlein, 1922 (June): 212. Type-locality: Colombia, Cordillera, "tierra caliente".
- RUFILABRIS** Enderlein, 1922:210. Type-locality: "Mexico, Jacuapan". Distr. — Mexico.
- STRIATITHORAX** Hennig, 1934:326. Type-locality: Brazil, Minas Gerais. Distr. — Brazil.

Genus TAENIAPTERA Macquart

- TAENIAPTERA** Macquart, 1835:491. Type-species, *trivittata* Macquart (mon.).
- Grallomyia* Rondani, 1850:180. Type-species, *Calobata tarsata* Wiedemann (orig. des.).
- Grallomyia*, emend.
- Grallopoda* Rondani, 1850:178, 180. Type-species, *Calobata albimana* Macquart (orig. des.) = *trivittata* Macquart.
- Mitromyia* Cresson, 1930:329. Type-species, *conifer* Cresson (mon.).

- Grallomyia*, subg. *Neograllomyia* Hendel, 1933a:65. Type-species, *longivitta* Hendel (orig. des.) = *vittipennis* (Coquillett).
- Grallomyia*, subg. *Paragrallomyia* Hendel, 1933a:63. Type-species, *Musca annulata* Fabricius (orig. des.).
- AERIPENNIS (Enderlein), 1922:214 (*Grallomyia*). Type-locality: Peru, Cuzco, Callanga, Pinipini Valley. Distr. — Colombia, Peru, Bolivia.
- ALBIBASIS (Enderlein), 1922:216 (*Grallomyia*). Type-locality: Guatemala, Tumbador. Distr. — Guatemala, Guyana, Brazil, Peru, Bolivia.
- ALBITARSIS (Enderlein), 1922:217 (*Grallomyia*). Type-locality: Brazil, Upper Amazon area. Distr. — Panama, Guyana, Brazil, Peru, Bolivia.
- livida* Cresson, 1926:274. Type-locality: Panama, Trinidad Rio.
- ANGULATA (Loew), 1866:47 (Cent. 7, no. 87) (*Calobata*). Type-locality: "New Granada" = Colombia. Distr. — Honduras to Panama, Colombia (Isla Gorgona), Trinidad, south to Argentina (Tucumán).
- enderleini* Czerny, 1930:120 (*Grallomyia*), "new name for *Grallomyia annulata* Enderlein, not Fabricius".
- ANNULATA (Fabricius), 1787:348 (*Musca*). Type-locality: Cayenne = French Guiana. Distr. — French Guiana and Surinam south to Uruguay and Argentina (Buenos Aires). Ref. — Fischer, 1932:15 (biology).
- meigenii* Perty, 1833:188, pl. 37, fig. 10 (*Calobata*). Type-locality: Brazil, Bahia.
- BALZAPAMBANA (Enderlein), 1922:217 (*Grallomyia*). Type-locality: Ecuador, Balzapamba. Distr. — Ecuador.
- balzapampana*, misspelling.
- CAERULESCENS (Macquart), 1846:344 (sep. p. 216), pl. 19, fig. 7 (*Calobata*). Type-locality: "Venezuela". Distr. — Venezuela. Unrecognized.
- CONTINENTALIS Hennig, 1934:82. Type-locality: Guyana, Essequibo River, Moraballi Creek. Distr. — Guyana.
- DILUTIMACULA (Enderlein), 1922:221 (*Grallomyia*). Type-locality: "Bolivia". Distr. — Bolivia.
- DIVERSICOLOR (Macquart), 1855:146 (sep. p. 126) (*Calobata*). Type-locality: "au bord du fleuve des Amazones". Distr. — Brazil.
- GORGONAE Hennig, 1934:90. Type-locality: Colombia, Isla Gorgona. Distr. — Colombia (Isla Gorgona).
- GRATA (Wulp), 1897:371, pl. 9, fig. 24 (*Calobata*). Type-locality: Mexico, Guerrero, Dos Arroyos. Distr. — Mexico (Guerrero, Sinaloa, Isthmus of Tehuantepec), Costa Rica, El Salvador, Nicaragua (in U.S. Nat. Mus.). Ref. — Steyskal, 1967:77, figs. 1, 2.
- conifer* Cresson, 1930:329 (*Mitromyia*). Type-locality: Costa Rica, San Mateo, Higuito.
- GRATULA Steyskal, 1967:77, figs. 3, 4. Type-locality: Mexico, northern Yucatán. Distr. — Mexico.
- ICHNEUMONEA Brauer, 1885:388, fig. 4 (pl.) (*Calobata*). Type-locality: Mexico, Veracruz, Orizaba. Distr. — Mexico, Guatemala, Costa Rica.
- caloptera* Bigot, 1886:381 (*Grallomyia*). Type-locality: "Mexico".

- INORNATA Hennig, 1934:79. Type-locality: Brazil, Amazonas, Coari, R. Solimões. Distr. — Brazil.
- LASCIVA (Fabricius), 1798:564 (*Musca*). Type-locality: Cayenne = French Guiana. Distr. — Southernmost U.S.A., Mexico, West Indies, south to Paraguay and northern Argentina.
- ruficeps* Guérin-Mèneville, 1844:553, pl. 103, fig. 7 (*Calobata*). Type-locality: West Indies, "Cuba".
- aloea* Walker, 1849:1053 (*Calobata*). Type-locality: West Indies, "Jamaica".
- alva*, misspelling.
- lunulata* Wulp, 1897:372, pl. 9, fig. 26 (*Calobata*). Type-locality: Mexico, Mazatlán, Presidio; Medellín near Vera Cruz; Tabasco, Frontera and Teapa; North Yucatán.
- obliterata* Cresson, 1930:351 (as variety). Type-locality: "Ecuador".
- LATIFASCIA (Wulp), 1897:372, pl. 9, fig. 25 (*Calobata*). Type-locality: Costa Rica, Caché; Panama, Boquete. Distr. — Costa Rica, Panama. Ref. — Steyskal, 1967:79.
- latisfasciata*, error.
- LAUTA (Cresson), 1930:345 (*Grallomyia*). Type-locality: Panama, Canal Zone, Paraiso. Distr. — Panama. Ref. — Steyskal, 1967:79, 81.
- LINEATA (Enderlein), 1922:217 (*Grallomyia*). Type-locality: "Colombia". Distr. — Colombia.
- LONGIFURCA (Hendel), 1933:64 (*Grallomyia*, subg. *Paragrallomyia*). Type-locality: "Brazil". Distr. — Brazil (Rio de Janeiro, Petrópolis).
- MEDIOFUSCA Hennig, 1934:82, pl. 1, fig. 11. Type-locality: Peru, Urubamba River, Umuhuankiall. Distr. — Brazil, Peru, Bolivia.
- MUNDA (Wulp), 1897: 374, pl. 9, fig. 29 (*Calobata*). Type-locality: Mexico, Guerrero, Dos Arroyos. Distr. — Mexico, Guatemala, San Salvador, Honduras. Ref. — Steyskal, 1967:78.
- NIGRICEPS Hennig, 1934:89, pl. 1, fig. 12. Type-locality: "Brazil". Distr. — Brazil.
- NIGRITARSIS (Macquart), 1848:227 (sep. p. 67), pl. 7, fig. 13 (*Calobata*). Type-locality: "Brazil". Distr. — Brazil, Paraguay.
- imitans* Enderlein, 1922:221 (*Grallomyia*). Type-locality: Paraguay, San Bernardino.
- bonitoensis* Cresson, 1930:339 (*Grallomyia*). Type-locality: Brazil, Pernambuco, Bonito.
- PARENS Cresson, 1926:273. Type-locality: Honduras, Sangreleya. Distr. — Honduras, Guyana, Brazil.
- PLANITIBIA (Enderlein), 1922:216 (*Grallomyia*). Type-locality: "Central America"; Guatemala, Tumbador; Mexico, Chiapas, Soconusco; Nicaragua, near Bluefields. Distr. — Mexico to Nicaragua.
- PLATYCHEMA (Loew), 1866:47 (Cent. 7, no. 86) (*Calobata*). Type-locality: New Granada (= Colombia). Distr. — Mexico to Panama, West Indies (exact locality?), Colombia, Ecuador.
- POSTANNULUS (Enderlein), 1922:215 (*Grallomyia*). Type-locality: Brazil, Espírito Santo. Distr. — Brazil.
- RUFIFACIES (Macquart), 1851:272 (sep. p. 299) (*Calobata*). Type-locality: "South America". Distr. — Guyana.

- albivola* Rondani, 1863:41 (*Grallomyia*). Type-locality: "Amer. Aequat".
- velutina* Curran, 1932:4 (*Grallomyia*). Type-locality: Guyana, Bartica district, Kartabo.
- SEIUNCTA* (Czerny), 1931:24 (*Grallomyia*). Type-locality: Peru, Cuzco, Callanga; Borneo (certainly erroneous). Distr. — Peru, Bolivia.
- urubambana* Hennig, 1934:92, pl. 3, fig. 25. Type-locality: Bolivia, Mapiri, San Carlos.
- SIMILLIMA* (Hendel), 1922:232 (*Tanypona*). Type-locality: "Mexico". Distr. — Mexico, Costa Rica, Brazil, ?Chile.
- STRIGATA* (Enderlein), 1922:214 (*Grallomyia*). Type-locality: Peru, Cuzco, Callanga, Pinipini Valley. Distr. — Peru.
- TARSATA* (Wiedemann), 1830:541 (*Calobata*). Type-locality: Brazil; Surinam. Distr. — Mexico to Panama, Trinidad south to Brazil and Bolivia.
- cayennensis* Robineau-Desvoidy, 1830:737 (*Neria*). Type-locality: Surinam; French Guiana.
- robusta* Walker, 1849:1051 (*Calobata*). Type-locality: not cited.
- THIEME* (Enderlein), 1922:217 (*Grallomyia*). Type-locality: Colombia, Cordilleras, "tierra caliente". Distr. — Colombia.
- TIBIALIS* (Macquart), 1843:404 (sep. p. 247) (*Calobata*). Type-locality: "Guyane". Distr. — West Indies (Grenada), Honduras, Trinidad, south to Paraguay and Bolivia. Ref. — Steyskal, 1967:82 (synonymy).
- latitibia* Enderlein, 1922:22 (*Grallomyia*). Type-locality: Brazil, Bahia; Eastern Bolivia.
- dilator* Cresson, 1926:274. Type-locality: West Indies, Grenada.
- VITTIPENNIS* (Coquillett), 1902:125 (*Calobata*). Type-locality: Mexico, ?Tabasco, Frontera. Distr. — Mexico to Panama, Surinam, Venezuela, Brazil.
- longivitta* Hendel, 1922:234 (*Tanypona*). Type-locality: "Costa Rica".
- VOLENS* Cresson, 1926:273. Type-locality: Panama, Portobelo. Distr. — Panama.
- VULGATA* Hennig, 1934:79. Type-locality: Brazil, Pará. Distr. — Guyana, Brazil.
- VULPES* Cresson, 1926:273. Type-locality: Panama, Trinidad Río. Distr. — Panama, Colombia.
- WULPI* Steyskal, 1967:78, fig. 5. Type-locality: Mexico, Guerrero, Venta de Zopilote. Distr. — Mexico.

Genus TENTHES Cresson

- TENTHES* Cresson, 1930:354. Type-species, *citatus* Cresson (mon.).
- CITATUS* Cresson, 1930:355. Type-locality: Peru, Puerto Bermúdez, Río Pichis. Distr. — Peru.

Genus ZELATRACTODES Enderlein

- ZELATRACTODES* Enderlein, 1922:169. Type-species, *filipes* Enderlein (orig. des.).
- Aristobata* Frey, 1927:69. Type-species, *melini* Frey (orig. des.).
- AFURCATUS* (Hennig), 1935:33 (*Aristobata*). Type-locality: Venezuela, Mérida. Distr. — Venezuela.

- BRAUERI (Hennig), 1935:31; 1934: pl. 2, fig. 5 (without differentiating statement) (*Aristobata*). Type-locality: "Venezuela". Distr. — Venezuela.
- CYCLOPS (Hennig), 1935:30; 1934: pl. 2, fig. 4 (without differentiating statement) (*Aristobata*). Type-locality: Bolivia, Mapiri, Sarampiuni and San Carlos. Distr. — Bolivia.
- var. HEMICHRYSUS (Hennig), 1935:31 (*Aristobata*). Type-locality: Bolivia, Mapiri, San Carlos; Yungas de Coroico.
- FILIPES Enderlein, 1922:169. Type-locality: Peru, Pozuzo. Distr. — Peru.
- GARLEPPI (Enderlein), 1922:201 (*Tanypoda*). Type-locality: Bolivia; Colombia. Distr. — Colombia, Ecuador, Bolivia.
- HOFFMANNI (Enderlein), 1922:202 (*Tanypoda*). Type-locality: Peru, Cushi Libertad. Distr. — Peru.
- MELINI (Frey), 1927:69 (*Aristobata*). Type-locality: Peru, East Andes, Roque. Distr. — Peru.
- OBLITUS (Hennig), 1935:32 (*Aristobata*). Type-locality: "Venezuela". Distr. — Venezuela.
- RUFIVENTRIS (Enderlein), 1922:204 (*Tanypoda*). Type-locality: "Colombia". Distr. — Colombia.
- SCURRUS (Hennig), 1935:32; 1934: pl. 2, fig. 7 (without differentiating statement) (*Aristobata*). Type-locality: Bolivia, Mapiri, Lorenzopata. Distr. — Bolivia.
- VERSICOLORUS (Enderlein), 1922:203 (*Tanypoda*). Type-locality: "Colombia". Distr. — Colombia.

UNPLACED TAENIAPTERINAE

- ARGENTATA Walker, 1852:396 (*Calobata*). Type-locality: "Brazil".
- BICOLOR Walker, 1852:395 (*Calobata*). Type-locality: "Brazil". Walker noted that this and the preceding species "do not fully agree with the characters of *Calobata*, and may form a new genus." I have found no further reference to them.
- RUFIPES Fabricius, 1805:261 (*Calobata*). Type-locality: "Amer. merid." ?*Parasphen*.
- OSCULATI Rondani, 1851:366 (*Grallomya*). Type-locality: "principalmente nelle vicinanze del Rio Napo". According to the collector's account of his South American trip (Osculati, 1854), it is most likely that the insects were collected in Peru.
- BRASILIANA Rondani, 1863:41 (*Tanipoda*). Type-locality: "Brasilia".

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(including Family Neriidae)

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<i>Zelatractodes</i> Enderlein, 1922	48.19





SciELO

DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

49

FAMILY NERIIDAE

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The Neriidae are medium to large flies of characteristic appearance, with rather long and slender legs usually furnished with short, stout spines. They may be distinguished from most other Acalyptratae by the arista being situated apically on the third antennal segment. Very little is known of their biology, but they are probably feeders on decaying vegetable matter (Olsen & Ryckman, 1963; Ryckman & Olsen, 1963). The family is virtually restricted in distribution to the tropics of both hemispheres. Only one subfamily is found in America; the other one, the Telostylinae, occurs in Asia and Africa. The latest revision of the American species is by Aczél (1961), and the last general revision is by Hennig (1937a).

Subfamily NERIINAE

Genus ANTILLONERIUS Hennig

ANTILLONERIUS Hennig, 1937a:256. Type-species, *Nerius solitarius* Johnson (orig. des.) = *cinereus* (Röder).

Imrenerius Aczél, 1961:284. Type-species, *Nerius cinereus* Röder (orig. des.).

Undescribed species have been seen from Saint Kitts and Dominica (West Indies).

BISTRIATUS (Williston), 1896:373, pl. 12, figs. 126, 126a (*Nerius*). Type-locality: West Indies, Saint Vincent. Distr. — Saint Vincent. N. COMB.

CINEREUS (Röder), 1885:348 (*Nerius*). Type-locality: "Puerto Rico". Distr. — Puerto Rico, Antigua, Jamaica (specimen from Saint Kitts cited by Hennig, 1937a:257 is undescribed). Refs. — Aczél, 1961:446; Steyskal, 1965:60.

solitarius Johnson, 1919:446 (*Nerius*). Type-locality: "Jamaica".

Genus CERANTICHR Enderlein

CERANTICHR Enderlein, 1922:155. Type-species, *Nerius flavifrons* Bigot (orig. des.; misident.) = *enderleini* Hennig.



ENDERLEINI Hennig, 1937a:256. Type-locality: "Costa Rica" (det. Enderlein as *flavifrons*). Distr. — Costa Rica, Guatemala.

Genus EOLOXOZUS Aczél

EOLOXOZUS Aczél, 1961:280. Type-species, *sabroskyi* Aczél (orig. des.).

SABROSKYI Aczél, 1961:282, figs. 4-8 (p. 281). Type-locality: Peru, Lima. Distr. — Peru.

Genus EONERIA Aczél

EONERIA Aczél, 1951:570. Type-species, *blanchardi* Aczél (orig. des.).

BLANCHARDI Aczél, 1951:571, fig. 20. Type-locality: Argentina, Corrientes, Corrientes. Distr. — Argentina.

MALDONADOI Aczél, 1961:278, figs. 2-3. Type-locality: Argentina, La Rioja. Distr. — Argentina.

Genus GLYPHIDOPS Enderlein

GLYPHIDOPS Enderlein, 1922:150. Type-species, *Nerius filiosus* Fabricius (orig. des.).

Chaetomeristes Enderlein, 1922:151. Type-species, *bullatus* Enderlein (orig. des.).

Subgenus GLYPHIDOPS Enderlein

BULLATUS (Enderlein), 1922:151 (*Chaetomeristes*). Type-locality: Ecuador, Archidona. Distr. — Ecuador.

ETELE Aczél, 1961:302, figs. 33, 34, 36. Type-locality: Brazil, São Paulo, Juquiá. Distr. — Brazil, Peru (U.S. Nat. Mus.).

FILIOSUS (Fabricius), 1805:265 (*Nerius*). Type-locality "South America". Distr. — Guatemala and Honduras to Surinam and south to Bolivia and Brazil (São Paulo).

vittatus Cresson, 1912:230, pl. 19, figs. 1, 2 (*Telostylus*). Type-locality: Guyana, Bartica district.

OBSCURUS Hennig, 1937a:260. Type-locality: Peru, mouth of Pachitea River. Distr. — Peru, Bolivia, Brazil.

OCHEUS Hennig, 1937a:258. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Peru, Bolivia, Brazil.

PERUANUS (Enderlein), 1922:152 (*Chaetomeristes*). Type-locality: "Peru". Distr. — Peru (Madre de Dios).

XANTHOPUS (Schiner), 1868:247 (*Nerius*). Type-locality: "South America" (Venezuela). Distr. — Mexico (Veracruz, Orizaba; Chiapas), Guatemala, Venezuela, Surinam, Peru.

Subgenus ONCOPSIA Enderlein

ONCOPSIA Enderlein, 1922:153 (as genus). Type-species, *mexicana* Enderlein (orig. des.) = *flavifrons* (Bigot).

- Dictyonerius* Enderlein, 1922:159. Type-species, *Nerius pluricellatus* Schiner (orig. des.).
- Brachycerotaphus* Czerny, 1932:301. Type-species, *Nerius flavifrons* Bigot (orig. des.).
- CARRERAI Aczél, 1961:316, figs. 55-56. Type-locality: Brazil, São Paulo, São Vicente. Distr. — Brazil.
- DISPAR (Cresson), 1926:261 (*Nerius*). Type-locality: Panama, Portobelo. Distr. — Panama.
- DUBIUS (Hennig), 1937a:254 (*Oncopsia*). Type-locality: Ecuador, Bucay. Distr. — Ecuador.
- DURUS (Cresson), 1926:260 (*Nerius*). Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica, Panama.
- FLAVIFRONS (Bigot), 1886:372 (*Nerius*). Type-locality: "Mexico". Distr. — U.S.A. (Arizona), south to Panama, Trinidad, Guyana, Colombia.
- mexicana* Enderlein, 1922:153 (*Oncopsia*). Type-locality: "Mexico".
- IMBATUS Enderlein, 1922:151. Type-locality: Brazil, Santa Catarina. Distr. — Brazil.
- striativentris* Czerny, 1932:297 (*Odontoscelia*). Type-locality: Brazil, Santa Catarina.
- NEUTER (Hennig), 1937a:254 (*Oncopsia*). Type-locality: Peru, Meshagua, Urubamba River. Distr. — Venezuela, Peru, Bolivia, Argentina (Tucumán).
- PLURICELLATUS (Schiner), 1868:248 (*Nerius*). Type-locality: "South America" (Venezuela). Distr. — Costa Rica, Panama, Colombia, Venezuela. Ref. — Aczél, 1961:329.
- SEDUCTRIX (Hennig), 1937:253 (*Oncopsia*). Type-locality: Bolivia, Mapiri, San Carlos. Distr. — Brazil (Amazonas), Bolivia.

Genus GYMNONERIUS Hendel

- GYMNONERIUS Hendel, 1913:41. Type-species, *Nerius fuscus* Wiedemann (orig. des.).
- APICALIS (Wiedemann), 1830:550 (*Nerius*). Type-locality: "South America". Species inquirenda; until the species is recognized, it will not be known whether a case is here present of erroneous labeling, a genus different from this otherwise Asiatic one, or an instance of widely disjunct generic distribution. Refs. — Hendel, 1933:58; Hennig, 1937a:266.

Genus LONGINA Wiedemann

- LONGINA Wiedemann, 1830:553. Type-species, *abdominalis* Wiedemann (mon.).
- Diateina* Gray, 1832:774. Type-species, *holymenoides* (sic) Gray (mon.) = *abdominalis* Wiedemann. This genus has been attributed to Westwood, but the description is by Gray.
- Macrotoma* Laporte, 1832:459. Type-species, *peleterii* Laporte (mon.) = *abdominalis* Wiedemann.
- ABDOMINALIS Wiedemann, 1830:554, pl. X, fig. 3 (chosen as valid name by first reviser Enderlein, 1922:151). Type-locality: "Brazil". Distr.

-- Brazil (Bahia south to Rio Grande do Sul), Paraguay, Argentina (Misiones). The synonyms of this species are founded on variations in development of extreme characters or those of the male.

vittata Wiedemann, 1830:549 (*Nerius*). Type-locality: "Brazil".

holymenoides Gray, 1832:774, pl. 125, fig. 4 (*Diatcina*). Type-locality: "Brazil".

hallmenoides, emend.

peleterii Laporte, 1832:459 (*Macrotoma*). Type-locality: "Cochin-China" (erroneous). N. SYN.

peletieri, emend.

peletierii, emend.

wiedemanni Perty, 1833:188, pl. 37, fig. 1. Type-locality: Brazil, "Sebastianopolis" (= Rio de Janeiro, State of Guanabara).

Genus *Loxozus* Enderlein

LOXOZUS Enderlein, 1922:156. Type-species, *clavicornis* Enderlein (orig. des.).

CLAVICORNIS Enderlein, 1922:156. Type-locality: Colombia, Cordilleras, "tierra templada". Distr. — Colombia, Bolivia.

Genus *Nerius* Fabricius

NERIUS Fabricius, 1805:264. Type-species, *pilifer* Fabricius (Coquillett, 1910:575).

Brachantichir Enderlein, 1922:156. Type-species, *robustus* Enderlein (orig. des.) = *plurivittatus* Bigot.

BRACHANTICHIRINUS Hennig, 1937a:249. Type-locality: Bolivia, Mapiri, Sarapiquí. Distr. — Peru, Bolivia.

CZERNYI Aczél, 1961:334, fig. 61. Type-locality: Argentina, Misiones, Puerto Aguirre. Distr. — Argentina, Brazil (São Paulo, Rio Grande do Sul).

LANEI Aczél, 1961:340, fig. 63 (p. 335). Type-locality: Brazil, Rio de Janeiro, Angra dos Reis, Fazenda Japuiba. Distr. — Brazil.

LATICORNIS Hennig, 1937a:248. Type-locality: Peru, Urubamba River, Umu-huankiali. Distr. — Peru, Bolivia.

NIGROFUSCUS (Czerny), 1932:300 (*Brachantichir*). Type-locality: Brazil, Rio de Janeiro, Nova Friburgo. Distr. — El Salvador, Guyana, Ecuador, Brazil. Ref. — Hennig, 1937a:247.

OCHRACEUS Schiner, 1868:248. Type-locality: "South America". Distr. — ?. Ref. — Hendel, 1933a:61.

PILIFER Fabricius, 1805:264. Type-locality: "South America". Distr. — Mexico (Tabasco), south to Panama, Guyana, Surinam, Colombia, Venezuela, south to Paraguay and Argentina (Tucumán).

brunneus Macquart, 1835:493. Type-locality: "Colombia".

rubescens Macquart, 1843:399 (sep. p. 242), pl. 32, fig. 6. Type-locality: "Brazil".

- terebtratus* Enderlein, 1922:156. Type-locality: Surinam, Paramaribo; Paraguay, Asunción.
- PLURIVITTATUS Bigot, 1886:372. Type-locality: "Mexico". Distr. — Mexico (Veracruz, Córdoba), south to Panama, Dominican Republic, Trinidad, Guyana, Venezuela, Colombia, Brazil, Peru, Bolivia.
- robusta* Enderlein, 1922:157 (*Brachantichir*). Type-localities: Eastern Bolivia; Peru, Chanchamayo.
- PURPUSIANUS (Enderlein), 1922:157 (*Brachantichir*). Type-locality: Mexico, Chiapas, Soconusco. Distr. — Mexico, Costa Rica, Colombia.
- helvohalterata* Czerny, 1932:299 (*Brachantichir*). Type-locality: Costa Rica, west of San José, farm La Caja.
- TEREBRANS Hennig, 1937a:247. Type-locality: Guyana, Essequibo River, Moraballi Creek. Distr. — Trinidad, Peru (in U.S. Nat. Mus.), Guyana.

Genus ODONTOLOXOZUS Enderlein

- ODONTOLOXOZUS Enderlein, 1922:158. Type-species, *punctulatus* Enderlein (orig. des.) = *longicornis* (Coquillett).
- LONGICORNIS (Coquillett), 1904:188 (*Nerius*). Type-locality: U.S.A., Texas, San Diego. Distr. — Southwestern U.S.A., Mexico, Costa Rica. Refs. — Olsen & Ryckman, 1963:454; Ryckman & Olsen, 1963:470.
- punctulatus* Enderlein, 1922:158. Type-locality: Mexico, San Luis Potosi.
- PERUANUS Hennig, 1937a:261. Type-locality: Peru, Urubamba River Umuhuankiali: Bolivia, Mapiri, Sarampiuni. Distr. — Peru, Bolivia.

UNRECOGNIZED GENERA AND SPECIES

Genus ODONTOSCELIA Enderlein

- ODONTOSCELIA Enderlein, 1922:154. Type-species, *Nerius flavipes* Wiedemann. Because the type-species is inquirenda, the genus must also be such.
- FLAVIPES (Wiedemann), 1830:551 (*Nerius*). Type-locality: "Brazil". Species inquirenda. Ref. — Hennig, 1937a:255. Erroneously cited by Aczél, 1949:380, as *flavipennis*.
- MARGINELLUS Rondani, 1848:84 (*Nerius*). Type-locality: "Brazil".

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MUSEU DE ZOOLOGIA, UNIVERSIDADE DE SÃO PAULO

(FORMERLY DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO)

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

49A

FAMILY CYPSELOSOMATIDAE

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Cypselosomatids are a small family of minute to medium-sized, brown to black and yellow flies related to Micropezoidea.

The genus *Heloclusia* Malloch was described in the Heleomyzidae, and *Latheticomyia* Wheeler as "incertae sedis" and later transferred to Pseudopomyzidae by Hennig (1969).

The immature stages and larval habits are unknown.

Refs.: Hennig (1969; 1971).

Genus HELOCLUSIA Malloch

HELOCLUSIA Malloch, 1933:184. Type-species, *imperfecta* Malloch (orig. des.).

IMPERFECTA Malloch, 1933:186, text-figs. 36-37, pl. 2, fig. 13. Type-locality: Chile, Concepción. Distr. - Peru (Aysen, Puerto Cisnes); Chile; Argentina (Lake Nahuel Huapi; SW Rio Negro Prov.). Refs.: Gill, 1968:4, Hennig, 1969:591, figs. 7, 14.

Genus LATHETICOMYIA Wheeler

LATHETICOMYIA Wheeler, 1956:306. Type-species, *tricolor* Wheeler (orig. des.).

INFUMATA Wheeler, 1956:312, fig. 2, e, f. Type-locality: Nicaragua, Santa Maria de Ostuma, north of Matagalpa. Distr. - Nicaragua.

LONGITEREBRA Hennig, 1969:592, figs. 1-2. Type-locality: Peru, Madre de Dios, Avispas. Distr. - Peru (Madre de Dios; Cuzco).

ROTUNDICORNIS Hennig, 1969:592, figs. 3-4. Type-locality: Mexico, Durango, 10 km west El Salto. Distr. - Mexico.

sp. 1 Hennig, 1969:591 ("infumata group"). Ecuador, Guayas, Chico, Balao, Rio Frio.

sp. 2 Hennig, 1969:591 ("infumata group"). Brazil, Santa Catarina, Nova Teutônia.

Genus PSEUDOPOMYZELLA Hennig

PSEUDOPOMYZELLA Hennig, 1969:594. Type-species, *flava* Hennig (orig. des.).

FLAVA Hennig, 1969:595, figs. 5-6, 9, 11, 20, 22. Type-locality: Peru, Madre de Dios, Avispas. Distr. - Peru; Ecuador (Napo Pastaza Prov.).

Genus RHINOPOMYZELLA Hennig

RHINOPOMYZELLA Hennig, 1969:596. Type-species, *nigrimana* Hennig (orig. des.).

ALBIMANA Hennig, 1969:598, figs. 10, 16. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. - West Indies (Jamaica); Ecuador (Pichincha; Azuay); Brazil.

NIGRIMANA Hennig, 1969:599, figs. 8, 13, 15, 19, 21, 23-24. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. - West Indies (Jamaica); Brazil.

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(Formerly Departamento de Zoologia, Secretaria da Agricultura, São Paulo)

A CATALOGUE OF THE DIPTERA OF THE AMERICAS SOUTH
OF THE UNITED STATES

50

FAMILY PSILIDAE

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This family is poorly known in the Neotropical Region. No immature stages of strictly Neotropical species are known. Nine species have been described from "South America", Mexico, and Brazil, assigned to the genera *Chyliza* Fallén and *Psila* Meigen.

There is no revisional study of the Neotropical species, and the identity of the old species is not yet properly established.

Subfamily PSILINAE

Tribe PSILINI

Genus PSILA Meigen

PSILA Meigen, 1803:278. Type-species, *Musca fimetaria* Linnaeus (aut.).

EXIGUA Wulp, 1896:361. Type-locality: Mexico, Guerrero, Xucumanatlán. Distr. — Mexico.

Tribe CHYLIZINI

Genus CHYLIZA Fallén

CHYLIZA Fallén, 1820:6. Type-species, *Musca leptogaster* Panzer (Westwood, 1840:14).

Tetradiscus Bigot, 1886:370. Type-species, *pictus* Bigot (Coquillett, 1910:613) = *apicalis* Loew.

Subgenus CHYLIZA Fallén

ANGRENSIS Albuquerque, 1957:4, fig. 9, pl. 2, figs. 10-15. Type-locality: Brazil, Rio de Janeiro, Angra dos Reis, Japuíba. Distr. — Brazil (Rio de Janeiro).

APICALIS Loew, 1860:82. Type-locality: U.S.A., Washington, D.C. Distr. — U.S.A. (Colorado to se. Canada, s. to Louisiana and Georgia); Mexico (Tuxpango). Ref. — Giglio-Tos, 1892:64.

- pictus* Bigot, 1886:370 (*Tetradiscus*). Type-locality: U.S.A., "Rocky Mts."
- BIGOTI Melander, 1920:97 (nom. nov. for *notatus* Bigot). Type-locality: "Mexico". Distr. — Mexico.
- notatus* Bigot, 1886:371 (*Tetradiscus*; preocc. Loew, 1869). Type-locality: "Mexico".
- COMPEDITA Wiedemann, 1830:531. Type-locality: "South America". Unrecognized.
- CONSANGUINEA Schiner, 1868:379. Type-locality: "South America". Distr. — Brazil. Ref. — Albuquerque, 1957:2, fig. 1, pl. 1, figs. 2-8.
- ENTHEA Giglio-Tos, 1892:64. Type-locality: Mexico, Tuxpango. Distr. — Mexico.
- RUBRONIGRA Albuquerque, 1957:6, fig. 10, pl. 2, figs. 17-21. Type-locality: Brazil, Guanabara, Rio de Janeiro, Jacarepaguá, Pau da Fome. Distr. — Brazil (Guanabara).
- VARIPES Wulp, 1896:361. Type-locality: Mexico, Guerrero, Venta de Zopilote, Chilpancingo, Amula, and Tabasco, Teapa. Distr. — Mexico.

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SciELO

MUSEU DE ZOOLOGIA, UNIVERSIDADE DE SÃO PAULO

(Formerly Departamento de Zoologia, Secretaria da Agricultura, São Paulo)

A CATALOGUE OF THE DIPTERA OF THE AMERICAS SOUTH
OF THE UNITED STATES

51

FAMILY SYRINGOGASTRIDAE

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The Syringogastridae are small flies, with slender, clavate abdomen; legs slender, but posterior femora straight and thickened, spinose underneath. Until recently they have been included with the Megamerinidae. They are confined to the Neotropical Region and all known species are listed here. The immature stages are unknown.

Ref. — Prado, 1969 (rev.).

Genus SYRINGOGASTER Cresson

SYRINGOGASTER Cresson, 1912:392. Type-species, *rufa* Cresson (orig. des.).

AMAZONENSIS Prado, 1969:12, figs. 5, 29. Type-locality: Brazil, Pará, Estrada Belém-Bragança, km 100. Distr. — Brazil (Pará).

BRUNNEA Cresson, 1912:394. Type-locality: Costa Rica, Peralta Station. Distr. — Costa Rica, Panama; ?Bolivia. Refs. — Curran, 1934: 373; Hennig, 1958:542, fig. 127c.

CARIOCA Prado, 1969:20, figs. 8, 50-55. Type-locality: Brazil, Guanabara, Rio de Janeiro, Grajaú. Distr. — Brazil (Guanabara).

CRESSONI Prado, 1969:18, figs. 10, 41-48. Type-locality: Brazil, Pará, Fazenda Velha. Distr. — Brazil; ?Peru.

LANEI Prado, 1969:6, figs. 1, 6, 11-19. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (São Paulo).

LOPESI Prado, 1969:14, figs. 3, 9, 30-40. Type-locality: Brazil, Bahia, Salvador. Distr. — Brazil (Bahia).

PAPAVEROI Prado, 1969:10, figs. 2, 4, 7, 20-28. Type-locality: Brazil, São Paulo, Barueri. Distr. — Brazil (Guanabara, Rio de Janeiro, São Paulo).

RUFA Cresson, 1912:393, pl. 19, figs. 5-6. Type-locality: Costa Rica, Río Surubres, Bonnefil Farm. Distr. — Costa Rica, Panama.

Unrecognized species

FULVIDA Bigot, 1886:394 (*Megamerina*). Type- locality: "Mexico". Distr. — Mexico. Ref. — Prado, 1969:22.

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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

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SOUTH OF THE UNITED STATES

52

FAMILY TANYPEZIDAE

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The Tanypezidae are small to medium-sized flies with a uniform, characteristic appearance. The biology and immature stages are unknown. There is one holarctic species and one nearctic species; the remainder are neotropical and here listed. The most recent works on the group are by Hennig (1936) and Enderlein (1936), both in the same publication. The typical genus *Tanypeza* Fallén includes only the 2 species of the northern hemisphere.

Genus NEOTANYPEZA Hendel

NEOTANYPEZA Hendel, 1903:203. Type-species, *Tanypeza elegans* Wiedemann (Enderlein, 1913:225).

Subgenus NEOTANYPEZA Hendel

ELEGANS (Wiedemann), 1830:528 (*Tanypeza*). Type-locality: "Brazil".
Distr. — Costa Rica, West Indies (St. Vincent I.), Brazil, Peru,
Bolivia, Paraguay

claripennis Schiner, 1868:247 (*Tanypeza*). Type-locality: "Brazil".

ORNATIPES (Bigot), 1886:380 (*Taeniptera*). Type-locality: "Mexico". Distr.
— Mexico, Guatemala.

mexicana Giglio-Tos, 1893:14 (1895:61) (*Tanypeza*). Type-locality:
Mexico, Orizaba, and Tuxpango.

pallidipennis Bigot, 1886:380 (*Taeniptera*). Type-locality: "Mexico".

Subgenus POLPHOPEZA Enderlein

POLPHOPEZA Enderlein, 1913:226 (as genus). Type-species, *quadrissetosa*
Enderlein (orig. des.).

52.1



APICALIS (Wiedemann), 1830:529 (*Tanypeza*). Type-locality: "Brazil".
Distr. — Peru, Bolivia, Brazil.

abdominalis Wiedemann, 1830:529 (*Tanypeza*). Type-locality: "Brazil".
N. SYN.

FLAVITIBIA Hennig, 1936:34. Type-locality: Peru, Rosalina, Urubamba River.
Distr. — ?Venezuela, Ecuador, Peru.

MONTANA (Enderlein), 1936:40 (*Polphopeza*). Type-locality: Colombia,
Cordilleras, tierra fria. Distr. — Colombia.

QUADRISSETOSA (Enderlein), 1913:227 (*Polphopeza*). Type-locality: Ecuador,
Baños. Distr. — Ecuador.

Subgenus TRIPHOLHOPEZA Enderlein

TRIPHOLHOPEZA Enderlein, 1936:39, 41 (as genus). Type-species, *Polphopeza
elegantina* Enderlein (orig. des.).

ELEGANTINA (Enderlein), 1913:227 (*Polphopeza*). Type-locality: Brazil,
Santa Catarina. Distr. — Brazil.

Subgenus TRITANYPEZA Enderlein

TRITANYPEZA Enderlein, 1936:40, 42 (as genus). Type-species, *cubitofusca*
Enderlein (orig. des.).

CUBITOFUSCA (Enderlein), 1936:44 (*Tritanypeza*). Type-locality: Paraguay,
San Bernardino. Distr. — Paraguay.

DALLASI (Shannon), 1927:41 (*Tanypeza*). Type-locality: Argentina, Tu-
cumán, Quebrada de Lules. Distr. — Ecuador, Brazil, Argentina.

FLAVIBASIS (Enderlein), 1936:45 (*Tritanypeza*). Type-locality: "Brazil".
Distr. — Brazil.

FLAVICALX (Enderlein), 1936:46 (*Tritanypeza*). Type-locality: Colombia,
tierra caliente. Distr. — Colombia.

FLAVOHIRTA (Enderlein), 1913:226 (*Tanypeza*). Type-locality: "Costa Rica".
Distr. — Guatemala, Costa Rica.

NIGRIPALPIS Hennig, 1936:36. Type-locality: Peru, Chanchamayo. Distr. —
?Venezuela, Colombia, Brazil, Peru.

OCHRIFEMUR (Enderlein), 1936:45 (*Tritanypeza*). Type-locality: Paraguay,
San Bernardino. Distr. — Guatemala, Ecuador, Paraguay.

RUFIVENTRIS (Enderlein), 1936:46 (*Tritanypeza*). Type-locality: Venezuela
[as Bolivia], Caracas. Distr. — Venezuela.

RUTILA (Wulp), 1897:362, pl. 9, fig. 15 (*Tanypeza*). Type-locality: Mexico,
Guerrero, Sierra de las Aguas Escondidas and Omilteme. Distr.
— Mexico.

Genus SCIPOPEZA Enderlein

SCIPOPEZA Enderlein, 1913:228. Type-species, *grandis* Enderlein (orig. des.).

DIMORPHA Hennig, 1936:37. Type-locality: Peru, Pichis road. Distr. —
Peru.



GRANDIS Enderlein, 1913:228. Type-locality: Ecuador, Baños. Distr. — Ecuador.

UNPLACED SPECIES

CALLITARSIS Rondani, 1850:181 (*Tanipeza*). Type-locality: "Venezuela".

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SUPERFAMILY TEPHRITOIDEA

- Family Richardiidae
- Family Otitidae
- Family Platystomatidae
- Family Pyrgotidae
- Family Tephritidae
- Family Tachiniscidae



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FAMILY RICHARDIIDAE

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The Richardiidae were for a long time considered a subfamily of the Otitidae (formerly Ortalidae), but are now generally regarded as of family rank. The family is restricted to the American continents and is mainly of tropical distribution. Since only 5 species are extra-limital to this catalogue, they have been included within parentheses for the sake of completeness, thus making the present list complete for all known species.

Very little is known about the biology of the Richardiidae, but they are likely saprophagous. The only immature stage known is of *Epiplatea hondurana* Steyskal (1958:306, puparium).

The species were reviewed by Hendel (1911a, 1911b) and Hennig (1937, 1938a), those of North America were reviewed by Steyskal (1958), and the species were last catalogued by Aczél (1950).

Genus ACOMPHA Hendel

ACOMPHA Hendel, 1911a:184, 389. Type-species, *punctifrons* Hendel (mon.).

PUNCTIFRONS Hendel, 1911a:389. Type-locality: Bolivia, Songo. Distr. — Bolivia.

Genus ANTINEUROMYIA Hendel

ANTINEUROMYIA Hendel, 1914c:174. Type-species, *clavata* Hendel (orig. des.).

APPENDICULATA Hennig, 1937:314. Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.

CLAVATA Hendel, 1914c:175, fig. 16. Type-locality: Trinidad, Port-of-Spain. Distr. — Trinidad.

Genus AUTOMOLA Loew

AUTOMOLA Loew, 1873:118. Type-species, *Ortalis atomaria* Wiedemann (Coquillett, 1910:512).



Wulpia Bigot, 1886:298, 371. Type-species, *caloptera* Bigot (mon.).
Ref. — Steyskal, 1958:303 (revision).

ATOMARIA (Wiedemann), 1830a:461 (*Ortalis*). Type-locality: "Brazil". Distr.
— Mexico ("Tuxpango"), Brazil, Peru, Bolivia, Paraguay, Argentina (Misiones).

trifasciata Wiedemann, 1830a:461 (*Ortalis*). Type-locality: not cited.
mexicanum Giglio-Tos, 1893:12; 1895:46, pl., fig. 24 (*Platystoma*).
Type-locality: Mexico, "Tuxpango".

leopardina Blanchard, 1938:92. Type-locality: Argentina, Misiones,
Puerto Bemberg.

CALOPTERA (Bigot), 1886:371 (*Wulpia*). Type-locality: Brazil, Bahia. Distr.
— Brazil, Peru, Bolivia.

RUFIA Cresson, 1906:282. Type-locality: U.S.A., New Mexico, Alamogordo.
Distr. — U.S.A. (southwestern States), Mexico (Aguascalientes,
Queretaro, Morelos).

dohanniani Johnson, 1921:58 (*Epiplatea*). Type-locality: U.S.A., Texas,
near San Antonio.

dohanniani, error.

Genus BATRACHOPHTHALMUM Hendel

BATRACHOPHTHALMUM Hendel, 1911a:183, 394. Type-species, *rufiventre* Hendel
(mon.).

RUFIVENTRE Hendel, 1911a:394; 1911b: pl. 3, figs. 71-73. Type-locality: Peru,
Callanga. Distr. — Peru.

Genus BEEBEOMYIA Curran

Zeugma Cresson, 1908:95 (preocc. Westwood, 1840). Type-species, *palposa*
Cresson (orig. des.)

BEEBEOMYIA Curran, 1934a:423. Type-species, *versicolor* Curran (orig. des.)
= *palposa* (Cresson).

CALLIGASTRA (Hennig), 1937:485 (*Zeugma*). Type-locality: Peru, Pichís,
Puerto Yessup. Distr. — Peru.

FLAVIMACULATA (Hennig), 1937:486 (*Zeugma*). Type-locality: Brazil, Pará,
Santarém. Distr. — Brazil.

PALPOSA (Cresson), 1908:96, pl. 6, fig. 1 (*Zeugma*). Type-locality: Surinam,
Paramaribo. Distr. — Surinam, Guyana, Peru, Bolivia.

versicolor Curran, 1934a:424. Type-locality: Guyana, Bartica District,
Kartabo. Synonymy confirmed by type-examination.

SENILIS (Hennig), 1937:485 (*Zeugma*). Type-locality: Peru, Pichís, Puerto
Yessup. Distr. — Peru.

Genus CLADISCOPHLEPS Enderlein

CLADISCOPHLEPS Enderlein, 1912a:107. Type-species, *ramulosa* Enderlein
(orig. des.).

Ref. — Prado, 1965.

LOPESI Prado, 1965:408, figs. 9-14. Type-locality: Brazil, State of Rio de
Janeiro. Distr. — Brazil. Ref. — Lopes, 1936:479, figs. 13-15.

RAMULOSA Enderlein, 1912a:108, fig. 7. Type-locality: Brazil, Santa Catarina. Distr. — Brazil. Ref. — Prado, 1965:406, figs. 1-8.

Genus COILOMETOPIA Macquart

COILOMETOPIA Macquart, 1847:107 (sep. p. 91). Type-species, *ferruginea* Macquart (mon.) = *trimaculata* (Fabricius).

Coilometopia, emend.

EIMACULATA Loew, 1873:189, pl. 9, fig. 27. Type-locality: West Indies, "Cuba". Distr. — West Indies (Cuba).

COSTALIS Hendel, 1911a:256. Type-locality: "Venezuela". Distr. — Venezuela, Bolivia.

LONGICORNIS Hendel, 1911a:255. Type-locality: Peru, Vilcanota. Distr. — Peru, Bolivia.

POECILA Hennig, 1937:32. Type-locality: Peru, mouth of Pachitea River. Distr. — Peru, Bolivia.

TRICHOSA Hennig, 1937:32. Type-locality: Bolivia, Mapiri, San Carlos. Distr. — Peru, Bolivia.

TRIMACULATA (Fabricius), 1805:208 (*Scatophaga*). Type-locality: "South America". Distr. — Trinidad, Guyana, Colombia, Ecuador, Brazil, Bolivia.

flavus Fabricius, 1805:274 (*Dacus*). Type-locality: "South America".

maculipennis Macquart, 1846:339 (sep. p. 211), pl. 19, fig. 1 (*Odontomera*). Type-locality: "Colombia".

ferruginea Macquart, 1847:107 (sep. p. 91), pl. 5, fig. 14. Type-locality: "Brazil".

(Genus CONICEPS Loew)

(CONICEPS Loew, 1873:178. Type-species, *niger* Loew (mon.).

(NIGER Loew, 1873:178. Type-locality: U.S.A., Texas. Distr. — U.S.A.).

Genus EPIPLATEA Loew

EPIPLATEA Loew, 1868a:324. Type-species, *erosa* Loew (mon.). Ref. — Steyskal, 1958:306 (revision).

ARCUATA Hendel, 1911a:193; 1911b: pl. 1, figs. 15-17. Type-locality: Peru, Meshagua. Distr. — Guyana, Brazil, Peru.

EROSA Loew, 1868a:326, pl. 2, fig. 27 (vol. 12). Type-locality: West Indies, "Cuba". Distr. — West Indies (Cuba, Puerto Rico, Dominican Republic).

HONDURANA Steyskal, 1958:302, figs. 10, 13, 15-18. Type-locality: British Honduras, Manatee. Distr. — British Honduras.

ISTHMI Steyskal, 1958:308, figs. 8, 11, 14. Type-locality: Panama, Canal Zone, Cano Saddle, Close's. Distr. — Panama.

RECTA Hendel, 1911a:193; 1911b: pl. 1, fig. 19. Type-locality: Paraguay, Asunción. Distr. — Paraguay.

Genus EUOLENA Loew

- EUOLENA Loew, 1873:183. Type-species, *Michogaster egregius* Gerstaecker (orig. des.).
- ABDOMINALIS Hendel, 1911a:390. Type-locality: Bolivia, Songo. Distr. — Bolivia.
- EGREGIA (Gerstaecker), 1860:179 (*Michogaster*). Type-locality: "Colombia". Distr. — Colombia, Venezuela, Ecuador, Peru, Bolivia.
- ornatus* Schiner, 1868:255 (*Michogaster*). Type-locality: "South America".
- FLAVA Hennig, 1938a:118. Type-locality: Peru, Ucayali River, Unini. Distr. — Peru.

Genus HEMIXANTHA Loew

- HEMIXANTHA Loew, 1873:190. Type-species, *spinipes* Loew (mon.). Ref. — Hennig, 1937:307 (key).
- ANNULIFEMUR Hennig, 1937:311. Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.
- BOLIVIANA Hennig, 1937:309. Type-locality: Bolivia, Mapiri, Chimate. Distr. — Bolivia.
- BRUNNEA Hennig, 1937:310. Type-locality: Peru, Pichis, Puerto Bermúdez. Distr. — Peru.
- FASCIVENTRIS Enderlein, 1912a:112. Type-locality: "Colombia". Distr. — Colombia, Brazil. Note: Both this and the following species were apparently described as discrete species, but both authors compared their species with *H. granulata* Hendel, and Hennig and Aczél treated them as synonyms.
- fasciventris* Hendel, 1936:80. Type-locality: Brazil, Pará, Taperinha.
- FLAVA Lopes, 1936:476, figs. 5-7, pl. 5, fig. 2. Type-locality: Brazil, Goiás, Campinas. Distr. — Brazil.
- FLAVICORNIS (Wiedemann), 1830a:514 (*Dacus*). Type-locality: "Brazil". Distr. — Brazil.
- GRACILIS Hennig, 1937:310. Type-locality: Peru, Pinipini. Distr. — Peru.
- GRANULATA Hendel, 1911a:258. Type-locality: Peru, Vilcanota. Distr. — Peru.
- LONGIPES Hendel, 1911a:263; 1911b: pl. 2, fig. 49. Type-locality: "Brazil". Distr. — Brazil, Bolivia.
- subsp. ANDORUM Hennig, 1937:313. Type-locality: Bolivia, San Antonio.
- LUTEA Hennig, 1937:309. Type-locality: Peru, mouth of Pachitea River. Distr. — Peru.
- MONOCHROMA Hennig, 1937:311. Type-locality: Bolivia, Mapiri, San Carlos. Distr. — Bolivia.
- ORNAMENTATA Hennig, 1937:308. Type-locality: Bolivia, Mapiri, San Carlos. Distr. — Bolivia.
- PAUCISETIS Hennig, 1937:314. Type-locality: Costa Rica, 8 km west of San José, Farm La Caja. Distr. — Costa Rica.

- PICTA Hennig, 1937:312. Type-locality: Bolivia, Mapiri, San Ernesto. Distr. — Bolivia.
- PULCHRIPENNIS Hendel, 1911a:262; 1911b: pl. 2, figs. 46-47. Type-locality: Brazil, Amazonas, Manaus. Distr. — Brazil.
- RECTA Hendel, 1911a:260. Type-locality: "Venezuela". Distr. — Venezuela.
- SPINIPES Loew, 1873:190, pl. 9, fig. 28. Type-locality: "Brazil". Distr. — Brazil.
- TRITAENIOLATA Hennig, 1937:313. Type-locality: Bolivia, Mapiri, San Carlos. Distr. — Bolivia.
- WAEHNERI Hennig, 1938b:10, fig. 4. Type-locality: Brazil, Amazonas, São Paulo de Olivença. Distr. — Brazil.

Genus MACROSTENOMYIA Hendel

- Stenomacra* Loew, 1873:180 (preocc. Stål, 1870). Type-species, *Sepsis guerini* Bigot (mon.).
- MACROSTENOMYIA Hendel, 1907:98 (nom. nov. for *Stenomacra* Loew). Type-species, *Sepsis guerini* Bigot (aut.).
- GUERINI (Bigot), 1857b:346, pl. 20, figs. 9a-c (*Sepsis*). Type-locality: West Indies, "Cuba". Distr. — West Indies (Puerto Rico, Cuba), Costa Rica.
- gerinii*, misspelling.
- guerini*, misspelling.

Genus MAERORICHARDIA Hennig

- MAERORICHARDIA Hennig, 1937:31. Type-species, *lugubris* Hennig (orig. des.).
- LUGUBRIS Hennig, 1937:31. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.

Genus MEGALOTHORACA Hendel

- MEGALOTHORACA Hendel, 1911a:182, 395. Type-species, *pterodontida* Hendel (mon.).
- Phlebacrocyma* Enderlein, 1912a:105. Type-species, *undulosum* Enderlein (orig. des.). N. SYN. (females of *Megalothoraca* species).
- FERRUGINEA (Enderlein), 1912a:106 (*Phlebacrocyma*). Type-locality: Ecuador, Santa Inez. Distr. — Ecuador N. COMB.
- FLAVA Enderlein, 1912a:104. Type-locality: Ecuador, Santa Inez. Distr. — Ecuador.
- HENDELI Enderlein, 1912a:104. Type-locality: Ecuador, Santa Inez. Distr. — Ecuador.
- PTERODONTIDA Hendel, 1911a:395; 1911b: pl. 3, figs. 74-75. Type-locality: Peru, Cagon. Distr. — Peru.
- TELEOPSIS Hennig, 1938b:9, fig. 3. Type-locality: ?, San Antonio. Distr. — ?.
- UNDULOSA (Enderlein), 1912a:105, fig. 6 (*Phlebacrocyma*). Type-locality: Ecuador, Santa Inez. Distr. — Ecuador. N. COMB.

Genus MELANOLOMA Loew

- MELANOLOMA Loew, 1873:192. Type-species, *Trypeta cyanogaster* Wiedemann (orig. des.).
Melanolema, error.
Melanolomina Curran, 1934b:281. Type-species, *Odontomera varians* Schiner (orig. des.).
AFFINE Loew, 1873:192, pl. 9, fig. 29. Type-locality: "Brazil". Distr. — Brazil.
CANOPILOSUM Hendel, 1933:222. Type-locality: Paraguay, Santa Trinidad. Distr. — Paraguay.
CYANOASTER (Wiedemann), 1830a:499 (*Trypeta*). Type-locality: "Brazil". Distr. — Brazil, Peru, Bolivia.
DECREPITUM Hendel, 1911a:367. Type-locality: "Venezuela". Distr. — Venezuela, Colombia, Peru, Bolivia.
HAEDULUS Hennig, 1938a:112. Type-locality: Brazil, Lower Amazon, Mosqueiro. Distr. — Brazil.
LONGIPENNE Hendel, 1911a:368. Type-locality: "Venezuela". Distr. — Venezuela.
NIGRUM Hendel, 1911a:270. Type-locality: "Bolivia". Distr. — Bolivia.
ORDINARIUM Hennig, 1938a:113. Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.
SENEX Hendel, 1911a:268. Type-locality: "Bolivia". Distr. — Bolivia, Peru.
VARIANS (Schiner), 1868:259 (*Odontomera*). Type-locality: "South America". Distr. — Venezuela, Brazil, Peru, Bolivia.
VIATRIX Hendel, 1911a:269. Type-locality: Bolivia, Songo. Distr. — Bolivia.

Genus NEOIDIOTYP A Osten-Sacken

- Idiotypa* Loew, 1873:187 (preocc. Foerster, 1856). Type-species, *appendiculata* Loew (mon.).
NEOIDIOTYP A Osten-Sacken, 1878:187 (nom. nov. for *Idiotypa* Loew). Type-species, *Idiotypa appendiculata* Loew (aut.).
APPENDICULATA (Loew), 1873:183, pl. 9, fig. 26 (*Idiotypa*). Type-locality: West Indies, "Cuba". Distr. — West Indies (Cuba).

Genus OCEANICIA Enderlein

- OCEANICIA Enderlein, 1927:107. Type-species, *nasuta* Enderlein (orig. des.). Distinct from *Ozaenina* Enderlein.
NASUTA Enderlein, 1927:107. Type-locality: Paraguay, San Bernardino; Brazil. Distr. — Brazil, Paraguay.

Genus ODONTOMERA Macquart

- ODONTOMERA Macquart, 1843:373 (sep. p. 215). Type-species, *ferruginea* Macquart (mon.).
Cyrtometopa Loew, 1873:179. Type-species, *Odontomera ferruginea* Macquart (orig. des.).

- ALBOPILOSA Hendel, 1911a:375. Type-locality: Peru, Vilcanota. Distr. — Peru, Bolivia.
- AFICALIS Hendel, 1911a:373. Type-locality: "Brazil". Distr. — Brazil.
- BASISTRIGA (Walker), 1861:328 (*Michogaster*). Type-locality "South America". Distr. — Costa Rica, South America.
- CANONIGRA Enderlein, 1912a:110. Type-locality: "Colombia". Distr. — Colombia.
- CINCTA Hennig, 1938a:115. Type-locality: Peru, Pichís, Puerto Yessup. Distr. — Peru.
- CONICEPS Hendel, 1911a:377; 1911b; pl. 1, fig. 78. Type-locality: Bolivia; Peru; Brazil, São Paulo; "South America". Distr. — Peru, Brazil, Bolivia.
- COSTALIS Hendel, 1911a:376. Type-locality: Argentina, Tucumán. Distr. — Argentina.
- FERRUGINEA Macquart, 1843:372 (sep. p. 215), pl. 29, fig. 6. Type-locality: unknown. Distr. — Southeastern U.S.A., Mexico, Costa Rica, Brazil, Bolivia, Paraguay.
- FLAVIPENNIS Enderlein, 1912a:111. Type-locality: Brazil, Santa Catarina. Distr. — Brazil.
- FLAVIPLEURA Hennig, 1938a:115. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- (LIMBATA Steyskal, 1958:304, pl. 1, figs. 3-5. Type-locality: U.S.A., Florida, Palm Beach County. Distr. — U.S.A.).
- MARGINALIS (Walker), 1861:328 (*Michogaster*). Type-locality: Brazil, "Amazon". Distr. — Brazil.
- NIGROPILOSA Hendel, 1911a:375. Type locality: "Brazil". Distr. — Brazil.
- NITENS (Schiner), 1868:258 (*Michogaster*). Type-locality: "Colombia" (stated by Hendel, 1911a:372, to be Venezuela). Distr. — Mexico, Costa Rica, Colombia, Venezuela, Bolivia.
- cinctella* Wulp, 1899:389, pl. 10, figs. 20. 20a (*Cyrtometopa*). Type-locality: Mexico, San Lorenzo near Córdoba; Tabasco, Teapa.
- subsp. BOLIVIANA Hennig, 1938a:114. Type-locality: Bolivia, Mapiri, Sarampiuni.
- RUFICAUDA Hendel, 1936:79. Type-locality: Brazil, Pará, Taperinha. Distr. — Brazil.
- STRIGATA Hennig, 1938a:116. Type-locality: Peru, Pinipini. Distr. — Peru.
- TERMINALIS (Walker), 1852:376 (*Sepsis*). Type-locality: "Brazil". Distr. — Brazil.
- VENOSA Hendel, 1911a:374. Type-locality: "Brazil". Distr. — Brazil.

Genus ODONTOMERELLA Hendel

- ODONTOMERELLA Hendel, 1912:10. Type-species, *oxyptera* Hendel (orig. des.).
- OXYPTERA Hendel, 1912:11. Type-locality: Brazil, Amazonas. Distr. — Brazil.

Genus OEDEMATELLA Hendel

OEDEMATELLA Hendel, 1911a:181, 392. Type-species, *czernyi* Hendel (mon.).
CZERNYI Hendel, 1911a:392; 1911b: pl. 3, figs. 66-68. Type-locality: "Peru".
Distr. — Peru.

Genus OZAENINA Enderlein

OZAENINA Enderlein, 1912a:109. Type-species, *nasuta* Enderlein (orig. des.).
Distinct from *Oceanicia* Enderlein.
Longinasus Frey, 1955:134. Type-species, *neriiformis* Frey (orig. des.).
N. SYN.
DIVERSA Lopes, 1936:478, figs. 8-12, pl. 5, fig. 3. Type-locality: Brazil,
Guanabara, Rio de Janeiro, Gávea. Distr. — Brazil.
LINEARIS Hennig, 1938a:120. Type-locality: Peru, Pinipini. Distr. — Peru.
MODERATA Hennig, 1938a:120. Type-locality: Brazil, Pará, Santarém (written-
in on separate). This species may be a species of *Oceanicia*.
NASUTA Enderlein, 1912a:109, figs. 8-9. Type-locality: Brazil, Santa Ca-
tarina. Distr. — Brazil.
NERIIFORMIS (Frey), 1955:134, fig. 5 (*Longinasus*). Type-locality: Brazil,
Santa Catarina, Nova Teutônia. Distr. — Brazil. N. COMB.
FERGULICEPS Hennig, 1938a:119. Type-locality: Peru, Pichis, Puerto Ber-
múdez. Distr. — Peru.
VEXILLIFER Hennig, 1938a:119. Type-locality: Bolivia, Mapiri, Sarampiuni.
Distr. — Bolivia.

Genus PANERYMA Wulp

PANERYMA Wulp, 1899:387. Type-species, *elongata* Wulp (mon.).
ELONGATA Wulp, 1899:388, pl. 10, fig. 19. Type-locality: Mexico, Tabasco,
Teapa. Distr. — Mexico.

Genus POECILOMYIA Hendel

POECILOMYIA Hendel, 1911a:183, 256. Type-species, *longicornis* Hendel (mon.).
ANNULATA Hendel, 1914c:176. Type-locality: Trinidad, Port of Spain. Distr.
— Trinidad.
CYANOCASTER Hennig, 1937:33. Type-locality: Peru, Urubamba River. Distr.
— Peru.
LONGICORNIS Hendel, 1911a:256; 1911b: pl. 2, figs. 43-45. Type-locality:
Venezuela; Panama, Chiriquí. Distr. — Panama, Colombia, Ve-
nezuela, Peru, Bolivia.
var. COLUMBIANA Enderlein, 1912a:106. Type-locality: Colombia, Fusa-
gasuga.

Genus RICHARDIA Robineau-Desvoidy

RICHARDIA Robineau-Desvoidy, 1830:728. Type-species, *saltatoria* Robineau-
Desvoidy (mon.) = ?*podagrica* (Fabricius). There is considera-
ble doubt concerning the identity of *saltatoria*; it hardly seems
likely that it can be a synonym of *podagrica*, but we maintain
status quo pending examination of type.



- Merodina* Macquart, 1835:378. Type-species, *Dacus podagrica* Fabricius (mon.).
- Gnathoplasma* Enderlein, 1912a:99. Type-species, *infestans* Enderlein (orig. des.). N. SYN.
- Scelidodontia* Enderlein, 1913:553. Type-species, *hendeliana* Enderlein (orig. des.).
- Polphopsis* Enderlein, 1927:107. Type-species, *Richardia telescopica* Gerstaecker (orig. des.). N. SYN.
- Zetekomyia* Curran, 1934b:281. Type-species, *banksi* Curran, nomen nudum (orig. des.) = *telescopica* Gerstaecker. N. SYN.
- ANALIS Hendel, 1911a:245; 1911b: pl. 2, fig. 39. Type-locality: Bolivia, Suapi. Distr. — Bolivia.
- ANNULATA (Macquart), 1835:434 (*Herina*). Type-locality: "Colombia". Distr. — Colombia, Panama.
- eurycephala* Gerstaecker, 1860:165, pl. 2, figs. 1, 1a. Type-locality: "South America".
- CALCARATA Hendel, 1912:8. Type-locality: Brazil, Pará, Santarém. Distr. — Panama, Colombia, Brazil.
- CONCINNA Wulp, 1899:387, pl. 10, fig. 18. Type-locality: Mexico, Santiago Iscuintla; Guerrero, Acaguizotla. Distr. — Mexico.
- EBURNEOSIGNATA Hennig, 1937:25. Type-locality: Peru, Meshagua, Urubamba River. Distr. — (typical subspecies) Trinidad, Venezuela, Guyana, Peru, Bolivia.
- subsp. CENTRALIAMERICANA Hennig, 1937:26. Type-locality: Costa Rica, 8 km west of San José, Farm La Caja. Distr. — Costa Rica, Guatemala, El Salvador, Nicaragua, Panama, Colombia.
- ELEGANS Wulp, 1899:386, pl. 10, fig. 17. Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico.
- FLAVIPES Schiner, 1868:260. Type-locality: "South America" (Venezuela). Distr. — Guyana, Venezuela, Peru.
- HENDELIANA (Enderlein), 1913:553, fig. (*Scelidodontia*). Type-locality: Colombia, Hacienda Pehlke. Distr. — Colombia.
- INFESTANS (Enderlein), 1912a:99, figs. 1-2 (*Gnathoplasma*). Type-locality: Colombia, Hacienda Pehlke. Distr. — Colombia, Panama. N. COMB.
- LATERINA Rondani, 1848:85. Type-locality: "Brazil". Distr. — Brazil. Unrecognized.
- LATIBRACHIUM Enderlein, 1912a:100, fig. 4. Type-locality: Costa Rica; Mexico, Chiapas. Distr. — Mexico, Costa Rica.
- LICHTWARDTI Hendel, 1911a: 247; 1911b: pl. 2, fig. 36. Type-locality: Ecuador, Balzapamba. Distr. — Ecuador.
- NUMERIFERA Speiser, 1911:246. Type-locality: Brazil, Santa Catarina, Blumenau. Distr. — Brazil.
- PECTINATA Hendel, 1912:7. Type-locality: Brazil, Pará, R. Amazonas, west end of the Paraná de Boiaçu ("Boiaçu"). Distr. — Brazil.
- PODAGRICA (Fabricius), 1805:272 (*Dacus*). Type-locality: "South America". Distr. — Mexico (Chiapas), south to Colombia, Trinidad, Surinam, Guyana, Brazil, Peru, Bolivia.



- PROXIMA Schiner, 1868:260. Type-locality: "South America" (Venezuela).
Distr. — Trinidad, Venezuela, Guyana, Peru.
spectabilis Schiner, 1868:261. Type-locality: "South America".
- SALTATORIA Robineau-Desvoidy, 1830:728. Type-locality: Cayenne (= French Guiana). Unrecognized; according to Hendel, 1911a:210, a questionable synonym of *podagrica*.
- SCHNUSEI Hendel, 1911a:252; 1911b: pl. 2, fig. 37. Type-locality: Bolivia, Mapiari. Distr. — Bolivia.
- STYLOPS Hennig, 1938b:8, figs. 1-2. Type-locality: Colombia, Muzo. Distr. — Colombia.
- TEEVANI Curran, 1934a:422. Type-locality: Guyana, Bartica district, Kartabo. Distr. — Panama, Trinidad, Surinam, Guyana, Brazil, Peru.
var. ANNULIPES Curran, 1934a:423. Type-locality: Guyana, Bartica district, Kartabo.
- TELESCOPICA Gerstaecker, 1860:167, pl. 2, figs. 2, 2a. Type-locality: Brazil, at Amazon River. Distr. — Costa Rica, Nicaragua, Panama, Brazil.
huberti Cresson, 1923:259 (*Plagiocephalus*). Type-locality: Nicaragua, Eden.
banksi Curran, 1934b:284, figs. 42, 105 (without descriptive statement). Type-locality: not cited; label on type shows it is from Panama, Canal Zone, Barro Colorado Island. N. SYN.
- TEPHIRITINA Enderlein, 1912a:102, fig. 5. Type-locality: Brazil, Santa Catarina. Distr. — Brazil.
- TUBERCULATA Hendel, 1911a:239; 1911b: pl. 2, fig. 33. Type-locality: Bolivia, Suapi; Peru, Callanga. Distr. — Peru, Bolivia.
- UNDULATA Hennig, 1937:27. Type-locality: Colombia, Chiriguana district. Lake Sapatoza region. Distr. — Colombia.
- UNIFASCIATA Rondani, 1848:82. Type-locality: "Brazil". Distr. — Brazil, Peru.
- UNIMACULATA Hendel, 1911a:244; 1911b: pl. 2, fig. 34. Type-locality: Venezuela; Paraguay; Brazil. Distr. — Venezuela, Brazil, Bolivia, Paraguay.
- VERIDVENTRIS Wulp. 1899:386. Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico (Tabasco), Costa Rica, Surinam, Guyana, Colombia, Brazil, Peru, Bolivia.

Genus RICHARDIODES Hendel

- RICHARDIODES Hendel, 1912:8. Type-species, *rectinervis* Hendel (orig. des.). Also spelled *Richardioides* in text, but I am following Hendel and Aczél in using the form in *-odes*.
- RECTINERVIS Hendel, 1912:9. Type-locality: Brazil, Pará, Santarém. Distr. — Brazil, Peru.
- TRIMACULATA Hennig, 1937:316. Type-locality: Peru, Urubamba River. Distr. — Peru.

Genus SEPSISOMA Johnson

- SEPSISOMA Johnson, 1900:327. Type-species, *flavescens* Johnson (mon.).
Parasepsisoma Hendel, 1936:80. Type-species, *Michogaster geniculatus*

- Schiner. N. SYN.; *S. flavescens* shows all of the characters ascribed by Hendel to *Parasepsisoma*.
- ANALE (Schiner), 1868:257 (*Michogaster*). Type-locality: "South America" (Venezuela). Distr. — Venezuela, Brazil, Bolivia.
- piceum* Hendel, 1911a:385. Type-locality: Brazil, São Paulo.
- ERYTHROCEPHALUM (Schiner), 1868:257 (*Michogaster*). Type-locality: "South America" (Venezuela). Distr. — Venezuela.
- (FLAVESCENS Johnson, 1900:327. Type-locality: U.S.A., New Jersey, Westville. Distr. — U.S.A.).
- GENICULATUM (Schiner), 1868:257 (*Michogaster*) Type-locality: "South America" (Venezuela). Distr. — Venezuela.
- GOLDSCHMIDTI Lindner, 1930:61. Type-locality: Bolivia, 60 km north of San José de Chiquitos. Distr. — Bolivia.
- (MINIMUM Steyskal, 1961a:85, figs. 2, 2a. Type-locality: U.S.A., Kansas, Manhattan. Distr. — U.S.A.).
- NIGRONITENS Hendel, 1911a:383. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- OPACUM Hendel, 1911a:382. Type-locality: "Brazil". Distr. — Brazil.
- REDUCTUM Lindner, 1930:60. Type-locality: Argentina, Lapango; San José. Distr. — Northern Argentina.
- (SABROSKYI Steyskal, 1961a:83, figs. 1, 1a. Type-locality: U.S.A., Kansas, Medora. Distr. — U.S.A.).
- SEPSIOIDES (Schiner), 1868:258 (*Michogaster*). Type-locality: "South America" (Venezuela). Distr. — Venezuela.
- UMBRIPENNE Hendel, 1911a:386. Type-locality: "Brazil". Distr. — Brazil.

Genus SETELLIA Robineau-Desvoidy

- SETELLIA Robineau-Desvoidy, 1830:732. Type-species, *afra* Robineau-Desvoidy (mon.). Inasmuch as the type-species is unrecognized, the status of this genus must remain in doubt until the species can be clarified.
- Michogaster* Macquart, 1835:483. Type-species, *Cephalia femoralis* Wiedemann (Schiner, 1868:255).
- Mischogaster*, emend.
- Omalocephala* Macquart, 1843:388 (sep. p. 231) (preocc. Spinola, 1839). Type-species, *fusca* Macquart (mon.).
- Conopsida* Macquart, 1851:267 (sep. p. 294). Type-species, *Cephalia femoralis* Wiedemann (mon.).
- Conopsidea*, emend.
- Tylemyia* Giglio-Tos, 1893:14. Type-species, *Omalocephala fusca* Macquart (orig. des.).
- AFRA Robineau-Desvoidy, 1830:733. Type-locality: "Brazil". Unrecognized.
- APEX Hendel, 1911a:200; 1911b: pl. 1, figs. 20-23. Type-locality: "Costa Rica". Distr. — Costa Rica.
- ATRA (Walker), 1852:394, pl. 7, fig. 7 (*Calobata*). Type-locality: not cited. Distr. — Brazil.

- COSTALIS (Schiner), 1868:256 (*Michogaster*). Type-locality: "South America" (Venezuela). Distr. — Venezuela.
- DICHAETA Hennig, 1937:23. Type-locality: Guyana, Essequibo River, Moraballi Creek. Distr. — (typical subspecies) Guyana.
- subsp. PERUANA Hennig, 1937:23. Type-locality: Peru, Pichis, Puerto Bermúdez. Distr. — Peru.
- DIFFUSA (Gerstaecker), 1860:176 (*Michogaster*). Type-locality: "Brazil". Distr. — Brazil (Santa Catarina).
- DISTINCTA (Walker), 1852:376 (*Sepsis*). Type-locality: "Brazil". Distr. — Brazil.
- FASCIPENNIS (Wiedemann), 1830a:469 (*Cephalia*). Type-locality: "Brazil". Distr. — Brazil (Espírito Santo).
- FEMORALIS (Wiedemann), 1830a:469 (*Cephalia*). Type-locality: "Brazil". Distr. — Brazil.
- FUSCA (Macquart), 1843:389 (sep. p. 232), pl. 31, fig. 12 (*Omalocephala*). Type-locality: "Guyane". Distr. — Mexico ("Tuxpango"), "Guyane".
- MICANS Hendel, 1911a:199. Type-locality: "Central America". Distr. — "Central America".
- NIGRA (Schiner), 1868:256 (*Michogaster*). Type-locality: "South America" (Venezuela). Distr. — Venezuela, Ecuador.
- NIGRIPES Lopes, 1936:476, figs. 1-4, pl. 5, fig. 1. Type-locality: Brazil, Goiás, Campinas. Distr. — Brazil.
- NITIDIPENNIS (Wulp), 1899:385, pl. 10, figs. 16, 16a (*Michogaster*). Type-locality: Panama, Volcán de Chiriquí. Distr. — Panama.
- PERNIX (Gerstaecker), 1860:177 (*Michogaster*). Type-locality: "Brazil". Distr. — Brazil.
- bilimbata* Bigot, 1886:389. Type-locality: Brazil, Pará.
- POECILOPTERA Hendel, 1911a:202. Type-locality: "Brazil". Distr. — Brazil.
- PUNCTIGERA Enderlein, 1913:554. Type-locality: Ecuador, Archidona. Distr. — Ecuador, Peru.
- UNISPINOSA Bigot, 1886:388. Type-locality: "Brazil". Distr. — Guyana, Brazil (Amazonas).
- WIEDEMANNI Hendel, 1911a:197. Type-locality: "Brazil". Distr. — Brazil.

Genus SETELLIDA Hendel

- SETELLIDA Hendel, 1911a:183, 393. Type-species, *caerulescens* Hendel (mon.).
- CAERULESCENS Hendel, 1911a:303; 1911b: pl. 3, figs. 76-77. Type-locality: Panama, Chiriquí. Distr. — Panama.

Genus SPHENEVOLENA Hendel

- SPHENEVOLENA Hendel, 1911a:183, 393. Type-species, *cuneipennis* Hendel (mon.).
- CUNEIPENNIS Hendel, 1911a:393; 1911b: pl. 3, figs. 69-70. Type-locality: "Bolivia". Distr. — Bolivia.
- ICHNEUMONEA Enderlein, 1927:106. Type-locality: "Peru". Distr. — Peru.

UNPLACED GENERA AND SPECIES

MARGINATA Wiedemann, 1830a:470 (*Cephalia*). Type-locality: "Brazil".
? *Setellia*.

Genus CHLOROPHORA Robineau-Desvoidy

CHLOROPHORA Robineau-Desvoidy, 1830:733. Type-species, *liturata* Robineau-Desvoidy (mon.).

LITURATA Robineau-Desvoidy, 1830:733. Type-locality: "Brazil". Unrecognized; considered by Hendel (1911a:372) as possible senior synonym of *Odontomera nitens* (Schiner).

TRIVITTATA Macquart, 1843:362 (sep. p. 205), pl. 27, fig. 9 (*Richardia*). Type-locality: "Guyane". Hendel (1911a:189) has treated it as a questionable synonym of *Automola caloptera* Bigot, but discrepancies in the description and figure require solution by type-examination.

Genus SYNTACES Loew

SYNTACES Loew, 1873:182. Type-species, *Setellia apicalis* Macquart (orig. des.).

APICALIS (Macquart), 1843:406 (sep. p. 249), pl. 33, fig. 4 (*Setellia*). Type-locality: Brazil, Goiás. Unrecognized; considered by Hendel (1911a:372) as possible synonym of *Odontomera nitens* (Schiner).

DIVISA Walker, 1852:381 (*Trypeta*). Type-locality: "Brazil". According to Foote (1964:321), the type is in the British Museum under the genus *Coilometopia*.

LAETA Walker, 1852:388 (*Trypeta*). Type-locality: "Brazil". This has been placed by Hendel (1912:6) as certainly a species of *Richardia*, but not placeable. Foote (1964:321) reports that the type could not be located.

NOMEN NUDUM

pectoralis — in description of *Odontomera nigropilosa* Hendel q.v.

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(including families Otitidae and Platystomatidae also)

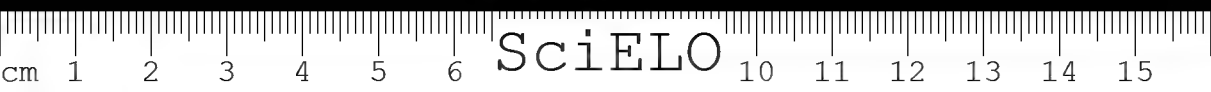
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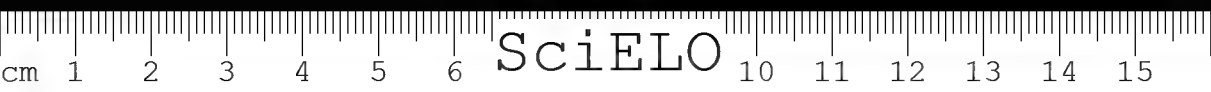
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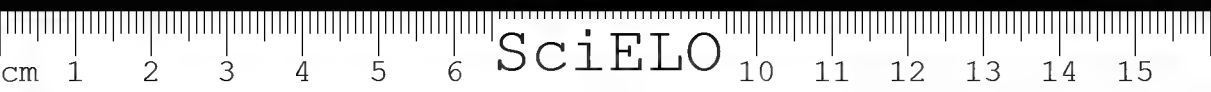
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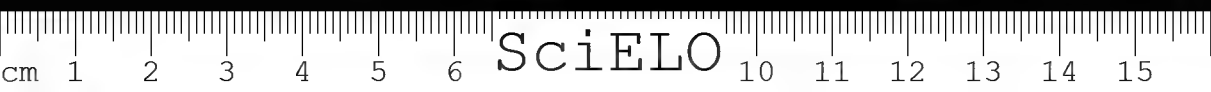
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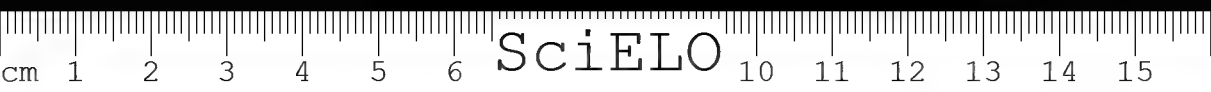
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<i>columbiana</i> Enderlein, 1912, <i>Poecilomyia</i>	53.8
<i>concinna</i> Wulp, 1899, <i>Richardia</i>	53.9
<i>coniceps</i> Hendel, 1911, <i>Odontomera</i>	53.7
<i>Coniceps</i> Loew, 1873	53.3
<i>Conopsida</i> Macquart, 1851	53.11
<i>Conopsidea</i> , emendation for <i>Conopsida</i>	53.11
<i>costalis</i> Hendel, 1911, <i>Coilometopia</i>	53.3
<i>costalis</i> Hendel, 1911, <i>Odontomera</i>	53.7
<i>costalis</i> (Schiner), 1868 (<i>Michogaster</i>), <i>Setellia</i>	53.12
<i>cuneipennis</i> Hendel, 1911, <i>Spheneuolena</i>	53.12
<i>cyanogaster</i> Hennig, 1937, <i>Poecilomyia</i>	53.8
<i>cyanogaster</i> (Wiedemann), 1830 (<i>Trypeta</i>), <i>Melanoloma</i>	53.6
<i>Cyrtometopa</i> Loew, 1873	53.6
<i>czernyi</i> Hendel, 1911, <i>Oedematella</i>	53.8
<i>decrepitum</i> Hendel, 1911, <i>Melanoloma</i>	53.6
<i>dichaeta</i> Hennig, 1937, <i>Setellia</i>	53.12
<i>diffusa</i> (Gerstaecker), 1860 (<i>Michogaster</i>), <i>Setellia</i>	53.12
<i>distincta</i> (Walker), 1852 (<i>Sepsis</i>), <i>Setellia</i>	53.12
<i>diversa</i> Lopes, 1936, <i>Ozaenina</i>	53.8
<i>divisa</i> Walker, 1852, <i>Trypeta</i> (unplaced)	53.13
<i>dohaniani</i> (Johnson), 1921 (<i>Epiplatea</i>), <i>Automola</i>	53.2
<i>dohanniani</i> , error for <i>dohaniani</i>	53.2
<i>eburneosignata</i> Hennig, 1937, <i>Richardia</i>	53.9
<i>egregia</i> (Gerstaecker), 1860 (<i>Michogaster</i>), <i>Euolena</i>	53.4
<i>elegans</i> Wulp, 1899, <i>Richardia</i>	53.9
<i>elongata</i> Wulp, 1899, <i>Paneryma</i>	53.8
<i>Epiplatea</i> Loew, 1868	53.3
<i>erosa</i> Loew, 1868, <i>Epiplatea</i>	53.3
<i>erythrocephalum</i> (Schiner), 1868 (<i>Michogaster</i>), <i>Sepsisoma</i>	53.11
<i>Euolena</i> Loew, 1873	53.4
<i>curycephala</i> Gerstaecker, 1860, <i>Richardia</i>	53.9
<i>fasciiventris</i> Enderlein, 1912, <i>Hemixantha</i>	53.4
<i>fascipennis</i> (Wiedemann), 1830 (<i>Cephalia</i>), <i>Setellia</i>	53.12
<i>fasciventris</i> Hendel, 1936, <i>Hemixantha</i>	53.4
<i>femoralis</i> (Wiedemann), 1830 (<i>Cephalia</i>), <i>Setellia</i>	53.12
<i>ferruginea</i> (Enderlein), 1912 (<i>Phlebacrocyma</i>), <i>Megalothoraca</i> ...	53.5
<i>ferruginea</i> Macquart, 1847, <i>Coilometopia</i>	53.3
<i>ferruginea</i> Macquart, 1843, <i>Odontomera</i>	53.7
<i>flava</i> Enderlein, 1912, <i>Megalothoraca</i>	53.5
<i>flava</i> Hennig, 1938, <i>Euolena</i>	53.4
<i>flava</i> Lopes, 1936, <i>Hemixantha</i>	53.4
<i>flavescens</i> Johnson, 1900, <i>Sepsisoma</i>	53.11

<i>flavicornis</i> (Wiedemann), 1830 (<i>Dacus</i>), <i>Hemixantha</i>	53.4
<i>flavimaculata</i> (Hennig), 1937 (<i>Zeugma</i>), <i>Beebeomyia</i>	53.2
<i>flavipennis</i> Enderlein, 1912, <i>Odontomera</i>	53.7
<i>flavipes</i> Schiner, 1868, <i>Richardia</i>	53.9
<i>flavipleura</i> Hennig, 1938, <i>Odontomera</i>	53.7
<i>flavus</i> (Fabricius), 1805 (<i>Dacus</i>), <i>Coilometopia</i>	53.3
<i>fusca</i> (Macquart), 1843 (<i>Omalcephala</i>), <i>Setellia</i>	53.12
<i>geniculatum</i> (Schiner), 1868 (<i>Michogaster</i>), <i>Sepsisoma</i>	53.11
<i>gerinii</i> , error for <i>guerinii</i>	53.5
<i>Gnathoplasma</i> Enderlein, 1912	53.9
<i>goldschmidti</i> Lindner, 1930, <i>Sepsisoma</i>	53.11
<i>gracilis</i> Hennig, 1937, <i>Hemixantha</i>	53.4
<i>granulata</i> Hendel, 1911a, <i>Hemixantha</i>	53.4
<i>guerini</i> , emendation or error for <i>guerinii</i>	53.5
<i>guerinii</i> (Bigot), 1857 (<i>Sepsis</i>), <i>Macrostenomyia</i>	53.5
<i>haedulus</i> Hennig, 1938, <i>Melanoma</i>	53.6
<i>Hemixantha</i> Loew, 1873	53.4
<i>hendeli</i> Enderlein, 1912, <i>Megalothoraca</i>	53.5
<i>hendeliana</i> (Enderlein), 1913 (<i>Scelidodontia</i>), <i>Richardia</i>	53.9
<i>hondurana</i> Steyskal, 1958, <i>Epiplatea</i>	53.3
<i>huberi</i> (Cresson), 1923 (<i>Plagiocephalus</i>), <i>Richardia</i>	53.10
<i>ichneumonea</i> Enderlein, 1927, <i>Spheneuolena</i>	53.12
<i>Idiotypa</i> Loew, 1873	53.6
<i>infestans</i> (Enderlein), 1912 (<i>Gnathoplasma</i>), <i>Richardia</i>	53.9
<i>isthmi</i> Steyskal, 1958, <i>Epiplatea</i>	53.3
<i>laeta</i> Walker, 1853, <i>Trypeta</i> (unplaced)	53.13
<i>laterina</i> Rondani, 1848, <i>Richardia</i>	53.9
<i>latibrachium</i> Enderlein, 1912, <i>Richardia</i>	53.9
<i>leopardina</i> Blanchard, 1938, <i>Automola</i>	53.2
<i>lichtwardti</i> Hendel, 1911, <i>Richardia</i>	53.9
<i>limbata</i> Steyskal, 1958, <i>Odontomera</i>	53.7
<i>linearis</i> Hennig, 1938, <i>Ozaenina</i>	53.8
<i>liturata</i> Robineau-Desvoidy, 1830, <i>Chlorophora</i>	53.13
<i>longicornis</i> Hendel, 1911, <i>Coilometopia</i>	53.3
<i>longicornis</i> Hendel, 1911, <i>Poecilomyia</i>	53.8
<i>Longinasus</i> Frey, 1955	53.8
<i>longipenne</i> Hendel, 1911, <i>Melanoloma</i>	53.6
<i>longipes</i> Hendel, 1911, <i>Hemixantha</i>	53.4
<i>lopesi</i> Prado, 1965, <i>Cladiscophlens</i>	53.2
<i>lugubris</i> Hennig, 1937, <i>Maerorichardia</i>	53.5
<i>lutea</i> Hennig, 1937, <i>Hemixantha</i>	53.4
<i>Macrostenomyia</i> Hendel, 1907	53.5
<i>maculipennis</i> (Macquart), 1846 (<i>Odontomera</i>), <i>Coilometopia</i>	53.3
<i>Maerorichardia</i> Hennig, 1937	53.5
<i>marginalis</i> (Walker), 1861 (<i>Michogaster</i>), <i>Odontomera</i>	53.7
<i>marginata</i> (Wiedemann), 1830 (<i>Cephalia</i>), unplaced	53.13
<i>Megalothoraca</i> Hendel, 1911	53.5
<i>Melanolema</i> , error	53.6
<i>Melanoloma</i> Loew, 1873	53.6
<i>Melanolomina</i> Curran, 1934	53.6



<i>Merodina</i> Macquart, 1835	53.9
<i>mexicanum</i> (Giglio-Tos), 1893 (<i>Platystoma</i>), <i>Automola</i>	53.2
<i>micans</i> Hendel, 1911, <i>Setellia</i>	53.12
<i>Michogaster</i> Macquart, 1835	53.11
<i>minimum</i> Steyskal, 1958, <i>Sepsisoma</i>	53.11
<i>Mischogaster</i> , emendation of <i>Michogaster</i>	53.11
<i>moderata</i> Hennig, 1938, <i>Ozaenina</i>	53.8
<i>monochroma</i> Hennig, 1937, <i>Hemixantha</i>	53.4
<i>nasuta</i> Enderlein, 1927, <i>Oceanicia</i>	53.6
<i>nasuta</i> Enderlein, 1912, <i>Ozaenina</i>	52.8
<i>Neoidiotypa</i> Osten Sacken, 1878	53.6
<i>neriiformis</i> (Frey), 1955 (<i>Longinasus</i>), <i>Ozaenina</i>	53.8
<i>niger</i> Loew, 1873, <i>Coniceps</i>	53.3
<i>nigra</i> (Schiner), 1868 (<i>Michogaster</i>), <i>Setellia</i>	53.12
<i>nigripes</i> Lopes, 1936, <i>Setellia</i>	53.12
<i>nigronitens</i> Hendel, 1911, <i>Sepsisoma</i>	53.11
<i>nigropilosa</i> Hendel, 1911, <i>Odontomera</i>	53.7
<i>nigrum</i> Hendel, 1911, <i>Melanoloma</i>	53.6
<i>nitens</i> (Schiner), 1868 (<i>Michogaster</i>), <i>Odontomera</i>	53.7
<i>nitidipennis</i> (Wulp), 1899 (<i>Michogaster</i>), <i>Setellia</i>	53.12
<i>numerifera</i> Speiser, 1911, <i>Richardia</i>	53.9
<i>Oceanicia</i> Enderlein, 1927	53.6
<i>Odontomera</i> Macquart, 1843	53.6
<i>Odontomerella</i> Hendel, 1912	53.7
<i>Oedematella</i> Hendel, 1911	52.8
<i>Omalocephala</i> Macquart, 1843	53.11
<i>opacum</i> Hendel, 1911, <i>Sepsisoma</i>	53.11
<i>ordinarium</i> Hennig, 1938, <i>Melanoloma</i>	53.6
<i>ornamentata</i> Hennig, 1937, <i>Hemixantha</i>	53.4
<i>ornatus</i> (Schiner), 1868 (<i>Michogaster</i>), <i>Euolena</i>	53.4
<i>oxyptera</i> Hendel, 1912, <i>Odontomerella</i>	53.7
<i>Ozaenina</i> Enderlein, 1912	53.8
<i>palposa</i> (Cresson), 1908 (<i>Zeugma</i>), <i>Beecheomyia</i>	53.2
<i>Paneryma</i> Wulp, 1899	53.8
<i>Parasepsisoma</i> Hendel, 1936	53.10
<i>paucisetis</i> Hennig, 1937, <i>Hemixantha</i>	53.4
<i>pectinata</i> Hendel, 1912, <i>Richardia</i>	53.9
<i>pectoralis</i> , nomen nudum	53.13
<i>perguliceps</i> Hennig, 1938, <i>Ozaenina</i>	53.8
<i>pernix</i> (Gerstaecker), 1860 (<i>Michogaster</i>), <i>Setellia</i>	53.12
<i>peruana</i> Hennig, 1937, <i>Setellia</i>	53.12
<i>Phlebacrocyra</i> Enderlein, 1912	53.5
<i>piceum</i> Hendel, 1911, <i>Sepsisoma</i>	53.11
<i>picta</i> Hennig, 1937, <i>Hemixantha</i>	53.5
<i>podagrica</i> (Fabricius), 1805 (<i>Dacus</i>), <i>Richardia</i>	53.9
<i>poecila</i> Hennig, 1937, <i>Coilometopia</i>	53.3
<i>Poecilomyia</i> Hendel, 1911	53.8

<i>pocilloptera</i> Hendel, 1911, <i>Setellia</i>	53.12
<i>Polphopsis</i> Enderlein, 1927	53.9
<i>proxima</i> Schiner, 1868, <i>Richardia</i>	53.10
<i>pterodontida</i> Hendel, 1911, <i>Megalothoraca</i>	53.5
<i>pulchripennis</i> Hendel, 1911, <i>Hemixantha</i>	53.5
<i>punctifrons</i> Hendel, 1911, <i>Acompha</i>	53.1
<i>punctigera</i> Enderlein, 1913, <i>Setellia</i>	53.12
<i>ramulosa</i> Enderlein, 1912, <i>Cladiscophleps</i>	53.3
<i>recta</i> Hendel, 1911, <i>Epiplatea</i>	53.3
<i>recta</i> Hendel, 1911, <i>Hemixantha</i>	53.5
<i>rectinervis</i> Hendel, 1912, <i>Richardiodes</i>	53.10
<i>reductum</i> Lindner, 1930, <i>Sepsisoma</i>	53.11
<i>Richardia</i> Robineau-Desvoidy, 1830	53.8
<i>Richardiodes</i> Hendel, 1912	53.10
<i>rufa</i> Cresson, 1906, <i>Automola</i>	53.2
<i>ruficauda</i> Hendel, 1936, <i>Odontomera</i>	53.7
<i>rufiventre</i> Hendel, 1911, <i>Batrachophthalmum</i>	53.2
<i>sabroskyi</i> Steyskal, 1958, <i>Sepsisoma</i>	53.11
<i>saltatoria</i> Robineau-Desvoidy, 1830, <i>Richardia</i>	53.10
<i>Scelidodontia</i> Enderlein, 1913	53.9
<i>schnusei</i> Hendel, 1911, <i>Richardia</i>	53.10
<i>senex</i> Hendel, 1911, <i>Melanoloma</i>	53.6
<i>senilis</i> (Hennig), 1937 (Zeugma), <i>Beebeomyia</i>	53.2
<i>sepsioides</i> (Schiner), 1868 (<i>Michogaster</i>), <i>Sepsisoma</i>	53.11
<i>Sepsisoma</i> Johnson, 1900	53.10
<i>Setellia</i> Robineau-Desvoidy, 1830	53.11
<i>Setellida</i> Hendel, 1911	53.12
<i>spectabilis</i> Schiner, 1868, <i>Richardia</i>	53.10
<i>Spheneuolena</i> Hendel, 1911	53.12
<i>spinipes</i> Loew, 1873, <i>Hemixantha</i>	53.5
<i>Stenomacra</i> Loew, 1873	53.5
<i>strigata</i> Hennig, 1938, <i>Odontomera</i>	53.7
<i>stylops</i> Hennig, 1938, <i>Richardia</i>	53.10
<i>Syntaces</i> Loew, 1873	53.13
<i>teevani</i> Curran, 1934, <i>Richardia</i>	53.10
<i>teleopsis</i> Hennig, 1938, <i>Megalothoraca</i>	53.5
<i>telescopica</i> Gerstaecker, 1860, <i>Richardia</i>	53.10
<i>tephritina</i> Enderlein, 1912, <i>Richardia</i>	53.10
<i>terminalis</i> (Walker), 1852 (<i>Sepsis</i>), <i>Odontomera</i>	53.7
<i>trichosa</i> Hennig, 1937, <i>Coilometopia</i>	53.3
<i>trifasciata</i> (Wiedemann), 1830 (<i>Ortalis</i>), <i>Automola</i>	53.2
<i>trimaculata</i> (Fabricius), 1805 (<i>Scatophaga</i>), <i>Coilometopia</i>	53.3
<i>trimaculata</i> Hennig, 1937, <i>Richardiodes</i>	53.10
<i>tritaeniolata</i> Hennig, 1937, <i>Hemixantha</i>	53.5
<i>trivittata</i> Macquart, 1843, <i>Richardia</i>	53.13
<i>tuberculata</i> Hendel, 1911, <i>Richardia</i>	53.10
<i>Tylemyia</i> Giglio-Tos, 1893	53.11



umbripenne Hendel, 1911, Sepsisoma	53.11
undulata Hennig, 1937, Richardia	53.10
undulosa (Enderlein), 1912 (Phlebacrocyma), Megalothoraca	53.5
unifasciata Rondani, 1848, Richardia	53.10
unimaculata Hendel, 1911, Richardia	53.10
unispinosa Bigot, 1886, Setellia	53.12
varians (Schiner), 1868 (Odontomera), Melanoloma	53.6
venosa Hendel, 1911, Odontomera	53.7
versicolor Curran, 1934, Beebeomyia	53.2
vexillifer Hennig, 1938, Ozaenina	53.8
viatrix Hendel, 1911, Melanoloma	53.6
viridiventris Wulp, 1899, Richardia	53.10
wacchneri Hennig, 1938, Hemixantha	53.5
wiedemanni Hendel, 1911, Setellia	53.12
Wulpia Bigot, 1886	53.2
Zetekomyia Curran, 1934	53.9
Zeugma Cresson, 1908	53.2



DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

54

FAMILY OTITIDAE

(ORTALIDAE; INCLUDING PTEROCALLIDAE, ULIDIIDAE)

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The old Ortalidae, based upon a preoccupied name, included several groups now recognized as distinct families (Steyskal, 1961b). The Pterocallidae, often recognized as a family or at least as a subfamily, are here included with the Otitinae because their characters indicate that they are no more than apomorphic members of that group.

The Otitidae are well represented in the southern parts of the Americas. The subfamily Ulidiinae is comprised there of virtually endemic groups centering about the large genera *Acrosticta* and *Euxesta*.

The biology of very few of the species is known. It is likely that most species are saprophagous, but a few may be injurious to living plant tissue.

No comprehensive work on the groups as a whole has appeared. Hendel (1909a, 1909b) described most of the "Pterocallinae" and Aczél (1951) has catalogued the group. Hendel (1909e, 1910) treated the Ulidiinae. The Otitinae (sensu stricto, minus Pterocallinae) have not been listed since Loew (1873).

Subfamily OTITINAE

Genus ACIUROIDES Hendel

- ACIUROIDES Hendel, 1914c:172. Type-species, *insecta* Hendel (orig. des.).
 FASCIATA Hering, 1941:199, fig. 2. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil.
 INSECTA Hendel, 1914c:172, fig. 14. Type-locality: Paraguay, "Hohenau". Distr. — Brazil (Santa Catarina), Paraguay.
 FLAUMANNI Hering, 1941:199, fig. 1. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil.

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Genus ACROSTICTELLA Hendel

ACROSTICTELLA Hendel, 1914a:9, 142; 1914b:16, 81. Type-species, *parallela* Hendel (orig. des.). New placement based upon examination of male postabdomen; originally described in Platystomatidae.

PARALLELA Hendel, 1914a:142; 1914b: pl. 4, figs. 74-75. Type-locality: Paraguay, Asunción. Distr. — Brazil (Santa Catarina: Nova Teutônia), Paraguay, Argentina (Misiones: Iguazu Falls).

Genus APTEROCERINA Hendel

APTEROCERINA Hendel, 1914c:170. Type-species, *argentea* Hendel (orig. des.).

AMOENA (Enderlein), 1921:215 (*Paragorgopsis*). Type-locality: Peru, Cuzco, Callanga, Pinipini valley. Distr. — Peru.

ARGENTEA Hendel, 1914c:170. Type-locality: Bolivia, Mapiri, Sarampiuni and San Antonio. Distr. — Bolivia.

EXCELLENS (Enderlein), 1921:216 (*Paragorgopsis*). Type-locality: Ecuador, Baños. Distr. — Ecuador.

MASCHIPPENNIS (Enderlein), 1921:217 (*Paragorgopsis*). Type-locality: "Bolivia". Distr. — Bolivia.

RECTA Hendel, 1914c:171. Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.

Genus BOTHROMETOPIA Hendel

BOTHROMETOPIA Hendel, 1909a:3, 66; 1909b:6, 39. Type-species, *gamma* Hendel (Hendel, 1909b:39) = *determinata* (Walker).

DETERMINATA (Walker), 1857:227 (*Herina*). Type-locality: "Amazon". Distr. — Brazil, Peru, Bolivia.

gamma Hendel, 1909a:66; 1909b: pl. 4, figs. 70-73. Type-locality: Peru, Urubamba River. N. SYN. (Female).

Genus CEROXYS Macquart

CEROXYS Macquart, 1835:437. Type-species, *Musca urticae* Linnaeus (Westwood, 1840:149).

Anacampta Loew, 1868b:7. Type-species, *Musca urticae* Linnaeus (Loew, 1873:58).

LATIUSCULUS (Loew), 1873:130, pl. 8, fig. 19 (*Anacampta*). Type-locality: U.S.A., California. Distr. — U.S.A., Mexico (DF., Baja California); also immigrant in Samoa and Hawaii.

Genus CHONDROMETOPUM Hendel

CHONDROMETOPUM Hendel, 1909a:2; 1909b:5, 9. Type-species, *arcuatum* Hendel (mon.).

ARCUATUM Hendel, 1909a:9; 1909b: pl. 1, figs. 6-8. Type-locality: Peru, Pichis, Puerto Bermúdez. Distr. — Guyana, Peru.

- BIFENESTRATUM** Kertész, 1913:382. Type-locality: Colombia, Aracataca. Distr. — Colombia.
LEVE Hendel, 1914c:161. Type-locality: Bolivia, Mapiri, San Carlos. Distr. — Bolivia.

Genus *COSCINUM* Hendel

- COSCINUM** Hendel, 1909a:3, 68; 1909b:6, 41. Type-species, *clavipes* Hendel (mon.).
CLAVIPES Hendel, 1909a:68; 1909b: pl. 4, figs. 75-77. Type-locality: Peru, Urubamba and Ucayali Rivers. Distr. — Peru.

Genus *CYMATOZUS* Enderlein

- CYMATOZUS** Enderlein, 1912b:60. Type-species, *polymorphomyiodes* Enderlein (orig. des.).
BESTIFER (Hendel), 1909a:7; 1909b: pl. 1, fig. 12 (*Megalaemyia*). Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.
FENESTELLATUS (Hendel), 1909a:8; 1909b: pl. 1, fig. 5 (*Megalaemyia*). Type-locality: Mexico, Veracruz, Orizaba. Distr. — Mexico.
MARGINATUS (Hendel), 1909a:72 (*Megalaemyia*). Type-locality: Peru, Cuzco, Callanga. Distr. — Peru.
POLYMORPHOMYIODES Enderlein, 1912b:61, fig. 1. Type-locality: Brazil, Santa Catarina. Distr. — Brazil.

Genus *CYRTOMOSTOMA* Hendel

- CYRTOMOSTOMA** Hendel, 1909a:3, 64; 1909b:6, 37. Type-species, *gigas* Hendel (mon.).
GIGAS Hendel, 1909a:64; 1909b: pl. 4, figs. 67-69. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.

Genus *DASYMETOPA* Loew

- DASYMETOPA** Loew, 1868a:285. Type-species, *lutulenta* Loew (mon.).
FENESTRATA Hendel, 1909a:79; 1910: pl. 1, fig. 96. Type-locality: Peru, Vilcanota. Distr. — Peru.
FUMIPENNIS Hendel, 1909a:22. Type-locality: Peru, Pichis. Distr. — Peru.
FUSCICOSTA Hendel, 1911c:29. Type-locality: "South America". Distr. — South America (precise locality unknown).
LUTEIPENNIS Hendel, 1909a:78; 1910: pl. 1, fig. 95. Type-locality: Peru, Vilcanota. Distr. — Peru.
LUTULENTA Loew, 1868a:285, pl. 2, fig. 1. Type-locality: "Surinam". Distr. — Guyana, Surinam, Peru.
NIGROPUNCTATA Hendel 1909a:24. Type-locality: Bolivia, Mapiri; Peru. Distr. — Peru, Bolivia.
OCHRACEA Hendel, 1909a:21; 1909b: pl. 2, fig. 35, 36. Type-locality: Bolivia, Mapiri; Peru, Meshagua. Distr. — Peru, Bolivia.
QUINQUEPUNCTATA Hendel, 1911c:28, fig. 8. Type-locality: "Bolivia". Distr. — Bolivia.

SEPTEMPUNCTATA Hendel, 1909a:22. Type-locality: Peru, Meshagua; Bolivia.
Distr. — Peru, Bolivia.

SORDIDA Hendel, 1909a:23. Type-locality: Bolivia, Mapiri. Distr. — Guyana,
Bolivia.

STIGMA Hendel, 1909a:25; 1909b: pl. 2, figs. 9-11. Type-locality: Bolivia,
Mapiri. Distr. — Bolivia.

Genus DIACRITA Gerstaecker

DIACRITA Gerstaecker, 1860:195. Type-species, *costalis* Gerstaecker (mon.).

Carlottaemyia Bigot, 1877:xxvi (38). Type-species, *moerens* Bigot (mon.)
= *costalis* Gerstaecker.

Ref. — Steyskal, 1947.

COSTALIS Gerstaecker, 1860:197, pl. 2, fig. 10. Type-locality: Mexico, Oaxa-
ca. Distr. — U.S.A., Mexico.

moerens Bigot, 1877:xxvii (38) (*Carlottaemyia*). Type-locality: Me-
xico".

Genus DYSCRASIS Aldrich

DYSCRASIS Aldrich, 1932:7. Type-species, *hendeli* Aldrich (orig. des.).

HENDELI Aldrich, 1932:8, pl. 1, fig. 1. Type-locality: U.S.A., Texas, Dallas.
Distr. — U.S.A., Mexico (Tamaulipas, Morelos).

SCUTELLARIS (Wiedemann), 1830a: 484 (*Trypeta*). Type-locality: "Mexico".
Distr. — Mexico (D.F., Hidalgo, Veracruz). N. COMB.

Genus ELAPATA Hendel

ELAPATA Hendel, 1909a:2, 64; 1909b:6, 33. Type-species, *remipes* Hendel
(mon.).

REMIPES Hendel, 1909a:64; 1909b: pl. 4, figs. 64-66. Type-locality: Peru,
Meshagua, Urubamba River. Distr. — Peru.

Genus EUACAINA Steyskal

Notogramma, subg. EUACAINA Steyskal, 1963a:199. Type-species, *cactipeodes*
Steyskal (orig. des.). NEW STATUS.

CACTIPEODES (Steyskal), 1963a:199, figs. 3-4 (*Notogramma*). Type-locality:
Peru, Lima, Santa Eulalia. Distr. — Peru.

Genus GONIAEOLA Hendel

Goniaea Hendel, 1909a:3, 71 (preocc. Stal, 1873). Type-species, *foveolata*
Hendel (mon.).

GONIAEOLA Hendel, 1909c:414; 1909b:6, 44 (nom. nov. for *Goniaea* Hendel).
Type-species, *Goniaea foveolata* Hendel (aut.).

FOVEOLATA (Hendel), 1909a:71; 1909b: pl. 4, figs. 82-83 (*Goniaea*). Type-
locality: Bolivia, Songo. Distr. — Bolivia.

Genus HERINA Robineau-Desvoidy

HERINA Robineau-Desvoidy, 1830:724. Type-species, *liturata* Robineau-Desvoidy (Rondani, 1856:109) = *germinationis* (Rossi).

Besides the species here listed, undescribed species occur in the Antilles.

AMABILIS (Williston), 1896:376 (*Epiplatea*). Type-locality: West Indies, Saint Vincent Island. Distr. — Saint Vincent Island. N. comb.

NARYTIA (Walker), 1849:1020 (*Trypeta*). Type-locality: U.S.A., Florida. Distr. — U.S.A., West Indies (Bahama Islands). Ref. — McAlpine, 1951:310, fig. 1, a-d.

Genus IDANOPHANA Hering

IDANOPHANA Hering, 1938:193. Type-species, *gephyra* Hering (orig. des.).

GEPHYRA Hering, 1938:195, fig. 8 (p. 189). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil.

Genus MEGALAEMYIA Hendel

MEGALAEMYIA Hendel, 1909a:2; 1909b:5, 7. Type-species, *elsae* Hendel (Hendel, 1909b:7).

Megaloprepemyia Hendel, 1909b: pl. 1, fig. 1; 1914c:160 (nom. nov. for *Megalaemyia* Hendel, supposedly preoccupied by *Megalomyia* Bigot, 1880). Type-species, *Megalaemyia elsae* Hendel (aut.).

ALBOSTRIATA Hendel, 1909a:6; 1909b: pl. 1, fig. 4. Type-locality: Bolivia, Mapiri; Peru, Meshagua. Distr. — Peru, Bolivia.

COSTALIS Hendel, 1909a:8; 1909b: pl. 1, fig. 13. Type-locality: Bolivia, Mapiri. Distr. — Bolivia.

ELSAE Hendel, 1909a:4; 1909b: pl. 1, figs. 1-2. Type-locality: Bolivia, Mapiri, Sarampiuni; Peru, Urubamba River. Distr. — Peru, Bolivia.

EXCELLENS (Hendel), 1914c:160, fig. 9 (*Megaloprepemyia*). Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.

PUNCTULATA Hendel, 1909a:5; 1909b: pl. 1, fig. 3. Type-locality: Bolivia, Mapiri. Distr. — Brazil (Rio de Janeiro), Bolivia.

RADIATA Hendel, 1909a:72; 1909b: pl. 4, fig. 85. Type-locality: Bolivia, Songo. Distr. — Brazil (Rio de Janeiro), Bolivia.

Genus MICROPTEROCERUS Hendel

MICROPTEROCERUS Hendel, 1914c:173. Type-species, *longifacies* Hendel (orig. des.).

LONGIFACIES Hendel, 1914c:174, fig. 15. Type-locality: Bolivia, Mapiri, Lorenzopata. Distr. — Bolivia.

Genus NEOMYENNIS Hendel

NEOMYENNIS Hendel, 1914c:161. Type-species, *Myennis appendiculata* Hendel (orig. des.).

Stypeostigma Enderlein, 1927:103. Type-species, *Myennis appendiculata* Hendel (orig. des.).

- APPENDICULATA (Hendel), 1909a:14; 1909b: pl. 1, figs. 18-20 (*Myennis*). Type-locality: Brazil, Rio Grande do Sul; Paraguay. Distr. — Brazil, Paraguay, Uruguay, Argentina.
- CYANEIVENTRIS (Hendel), 1909a:73 (*Myennis*). Type-locality: Bolivia, Songo. Distr. — Bolivia.
- NIGRA (Hendel), 1909a:12 (*Myennis*). Type-locality: Peru, Meshagua, Uribamba River. Distr. — Peru.
- ZEBRA (Hendel), 1909a:15 (*Myennis*). Type-locality: Brazil, Rio Grande do Sul. Distr. — Brazil, Paraguay, Uruguay.

Genus NOTOGRAMMA Loew

- NOTOGRAMMA Loew, 1868a:289. Type-species, *ctiniciforme* Loew (mon.). Ref. — Steyskal, 1963a.
- CIMICIFORME Loew, 1868a:289, pl. 2, fig. 3. Type-locality: "Cuba". Distr. — U.S.A., Mexico to Panama, West Indies (Cuba, Jamaica), Guyana, Venezuela, Colombia, Brazil, Ecuador, Peru; also immigrant in Oceania.
- PURPURATUM Cole, 1923:474, fig. 12. Type-locality: Mexico, Baja California, Monserrate Island. Distr. — U.S.A., Mexico (Baja California, San Luis Potosí, Oaxaca).
- STIGMA (Fabricius), 1798:564 (*Musca*). Type-locality: "Americae Insulis". Distr. — West Indies (Cuba, Puerto Rico, Virgin Islands, Mona Island, Bahamas, Jamaica, Antigua).
- obtusum* Fabricius, 1805:278 (*Dacus*). Type-locality: "Americae Insulis".

Genus OPHTHALMOPTERA Hendel

- OPHTHALMOPTERA Hendel, 1909a:2, 69; 1909b:6, 43. Type-species, *longipennis* Hendel (Hendel, 1909b:43).

Subgenus OPHTHALMOPTERA Hendel

- ELEGANS Hendel, 1909a:83. Type-locality: Bolivia, Songo; Venezuela. Distr. — Venezuela, Bolivia.
- INNOTATA Enderlein, 1921:213. Type-locality: Colombia, "tierra caliente". Distr. — Colombia.
- LONGIPENNIS Hendel, 1909a:69; 1909b: pl. 4, figs. 78-80. Type-locality: Bolivia, Songo. Distr. — Bolivia.
- UNDULATA Hendel, 1914c:166. Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.

Subgenus PAROPHTHALMOPTERA Hendel

- PAROPHTHALMOPTERA Hendel, 1914c:166 (as genus). Type-species, *Ophthalmoptera picea* Hendel (orig. des.).
- IMPUNCTATA Hendel, 1909a:70; 1909b: pl. 4, fig. 81. Type-locality: Peru, Meshagua; Bolivia. Distr. — Peru, Bolivia.

FICEA (Hendel), 1914c:166 (*Parophthalmoptera*). Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.

Genus PARAGORGOPIS Giglio-Tos

PARAGORGOPIS Giglio-Tos, 1893:12; 1895:41. Type-species, *maculata* Giglio-Tos (mon.).

Paragorgopsis, emend.

ARGYRATA Hendel, 1914c:165, fig. 13. Type-locality: Peru, Pichis, Puerto Yessup. Distr. — Peru.

CANCELLATA Hendel, 1909a:61. Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.

CLATHRATA Hendel, 1909a:59. Type-locality: Bolivia, Mapiri; Peru, Urubamba River. Distr. — Colombia, Peru, Bolivia.

DISCREPANS Hendel, 1914c:164, fig. 12. Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.

MACULATA Giglio-Tos, 1893:12; 1895:41, pl. 12. Type-locality: Mexico, Tuxpango. Distr. — Mexico, Surinam, Peru, Bolivia, Paraguay.

MALLEA Hendel, 1909a:61; 1909b: pl. 3, figs. 57-60. Type-locality: Peru, Meshagua, Urubamba River; Bolivia, Mapiri, San Carlos. Distr. — Panama, Venezuela, Peru, Bolivia.

SCHNUSE Hendel, 1909a:60. Type-locality: Bolivia, Mapiri. Distr. — Bolivia.

Genus PERISSOZA Enderlein

PERISSOZA Enderlein, 1921:217. Type-species, *scripta* Enderlein (orig. des.).

SCRIPTA Enderlein, 1921:218. Type-locality: Brazil, Mato Grosso. Distr. — Brazil.

Genus PSEUDOMELIERIA Brèthes

PSEUDOMELIERIA Brèthes, 1922:142. Type-species, *argentina* Brèthes (mon.).

ARGENTINA Brèthes, 1922:142. Type-locality: Argentina, Catamarca, Andalgalá. Distr. — Argentina.

Genus PSEUDOPTEROCALLA Hendel

Pterocalla, subg. PSEUDOPTEROCALLA Hendel, 1909a:27; 1909b:18. Type-species, *Trypeta obscura* Wiedemann (Hendel, 1909b:18).

FENESTRATA (Wulp), 1899:394, pl. 10, fig. 30 (*Pterocalla*). Type-locality: Mexico, Veracruz, Atoyac; Tabasco, Teapa. Distr. — Mexico.

OBSCURA (Wiedemann), 1830a:499 (*Trypeta*). Type-locality: "Brazil". Distr. — Costa Rica, Guyana, Brazil.

SCUTELLATA (Schiner), 1868:286 (*Pterocalla*). Type-locality: "South America". Distr. — Costa Rica, Panama, Brazil, Peru, Bolivia.

Genus PTEROCALLA Rondani

PTEROCALLA Rondani, 1848:83. Type-species, *Dictya ocellata* Fabricius (mon.).

Subgenus PTEROCALLA Rondani

ANGUSTIPENNIS Hendel, 1909a:32. Type-locality: Bolivia, Songo. Distr. — Bolivia.

BELLA Giglio-Tos, 1895:39, pl. fig. 11. Type-locality: Mexico, Veracruz, Orizaba. Distr. — Mexico.

COSTALIS Wulp, 1899:396, pl. 11, figs. 5-6. Type-locality: Mexico, Guerrero, Chilpancingo and Amula. Distr. — Mexico.

undulata Cresson, 1906:283, pl. 6, fig. 6. Type-locality: Mexico, Jalisco, Guadalajara.

GUTTULATA Hendel, 1911c:31. Type-locality: "Bolivia". Distr. — Bolivia.

OCCELLATA (Fabricius), 1805:330 (*Dictya*). Type-locality: "South America". Distr. — Mexico (Veracruz), Guyana, Brazil, Bolivia.

OPHTHALMOPTERA Hendel, 1914c:161, fig. 10. Type-locality: Peru, Pichis, Puerto Yessup; Ucayali River, Unini. Distr. — Costa Rica, Honduras, Panama, Peru.

FENNATA Hendel, 1911c:29. Type-locality: "Bolivia". Distr. — Bolivia.

PENTOPHTHALMA Hendel, 1914c:162, fig. 11. Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia.

PROXIMA Hendel, 1914c:163. Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.

PUNCTATA Hendel, 1909a:76. Type-locality: Bolivia, Songo; Paraguay. Distr. — Colombia, Brazil, Bolivia, Paraguay.

QUADRATA Wulp, 1899:394, pl. 11, fig. 1. Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico, Peru, Bolivia.

RADIATA Hendel, 1909a:77. Type-locality: Bolivia, Songo and Coroico. Distr. — Bolivia.

RETICULATA Hendel, 1909a:33. Type-locality: Peru, Vilcanota; Paraguay, San Bernardino. Distr. — Peru, Paraguay.

STRIATA Hendel, 1909a:37. Type-locality: Peru, Vilcanota. Distr. — Peru.

Subgenus PARAPTEROCALLA Aczél

Eupterocalla Enderlein, 1921:213 (as genus; preocc. Brèthes, 1916). Type-species, *Pterocalla plumitarsis* Hendel (orig. des.).

PARAPTEROCALLA Aczél, 1951:408 (nom. nov. for *Eupterocalla* Enderlein). Type-species, *Pterocalla plumitarsis* Hendel (aut.).

NITIDIVENTRIS Hendel, 1909a:75. Type-locality: "Paraguay". Distr. — Brazil (Mato Grosso), Paraguay.

OCULATA Hendel, 1909a:39. Type-locality: Peru, Callanga. Distr. — Peru.

PANTHERINA (Walker), 1852:386 (*Trypeta*). Type-locality: "Brazil". Distr. — Mexico (Tabasco), Panama, Trinidad, Colombia, Peru, Bolivia.

tarsata Schiner, 1868:287. Type-locality: "South America".

rondanii Schiner, 1868:287. Type-locality: "South America".

PLUMITARSIS Hendel, 1909a:36; 1909b: pl. 2, figs. 37-38. Type-locality: Bolivia, Mapiro and Songo. Distr. — Bolivia.

Genus PTEROCERINA Hendel

- PTEROCERINA Hendel, 1909a:3, 41; 1909b:24. Type-species, *fenestrata* Hendel (Hendel, 1909b:24).
- ALBOGUTTATA Speiser, 1929:27. Type-locality: Brazil, Santa Catarina, Jaraguá. Distr. — Brazil.
- AMERICANA Curran, 1934a:425, fig. 31. Type-locality: Guyana, Bartica district, Kartabo. Distr. — Guyana.
- ANASTREPHA Hendel, 1914c:167. Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.
- ANGULATA Hendel, 1909a:48; 1909b: pl. 3, fig. 53. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- BASALIS Hendel, 1914c:169. Type-locality: Peru, Madre de Dios. Distr. — Peru.
- BIFASCIATA Hendel, 1909a:51. Type-locality: Peru, Urubamba River. Distr. — Peru.
- CLARIFASCIA Hendel, 1909a:47; 1909b: pl. 3, fig. 56. Type-locality: Bolivia, Mapiri, Sarampiuni; Peru, Meshagua, Urubamba River. Distr. — Peru, Bolivia.
- COLORATA Hendel, 1909a:49; 1909b: pl. 3, figs. 48-49. Type-locality: Bolivia, Mapiri, Sarampiuni; Peru, Ucayali River and mouth of Pachitea River. Distr. — Peru, Bolivia.
- COSTALIMAI Capoor, 1954:211, figs. 7-8. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- FENESTRATA Hendel, 1909a:45; 1909b: pl. 2, figs. 44-45. Type-locality: Bolivia, Mapiri, Sarampiuni; Peru, Urubamba River and Umuhuaniali. Distr. — Peru, Bolivia.
- FERRUGINEA Hendel, 1909a:50. Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.
- FURCATA Hendel, 1909a:54; 1909b: pl. 3, fig. 47. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- GARLEPPI Enderlein, 1921:214. Type-locality: Peru, Cuzco, Callanga, Pini-pini Valley. Distr. — Peru.
- HENDELI Blanchard, 1938b:85, figs. 1, 11. Type-locality: Argentina, Misiones, Corrientes. Distr. — Argentina.
- INTERRUPTA Hendel, 1909a:52; 1909b: pl. 3, fig. 52. Type-locality: Peru, Urubamba River; Bolivia, Mapiri, Sarampiuni. Distr. — Peru, Bolivia.
- NIGRICAUDA Blanchard, 1938b:87, figs. 2, 12. Type-locality: Argentina, Misiones, Corrientes. Distr. — Argentina.
- NIGRIPENNIS Hendel, 1909a:46; 1909b: pl. 3, fig. 55. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- NIGRIPES Hendel, 1909a:56; 1909b: pl. 3, fig. 51. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- OBLITERATELLA Blanchard, 1948b:88, figs. 3, 10. Type-locality: Argentina, Misiones, Corrientes. Distr. — Argentina.
- OCHRACEA Hendel, 1909a:51. Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.
- PALLIDIBASIS Curran, 1934a:426. Type-locality: Guyana, Bartica district, Kartabo. Distr. — Guyana.

- PARADOXA** Hering, 1941:200, figs. 3-4. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil.
- PICEA** Hendel, 1909a:55; 1909b: pl. 3, fig. 50. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- PLURIFURCATA** Blanchard, 1938a:373. Type-locality: Argentina, Misiones, Corrientes. Distr. — Argentina.
- PSIDI** Capoor, 1954:208, figs. 3-6. Type-locality: Brazil, Rio de Janeiro, Mendes. Distr. — Brazil.
- RUFICAUDA** Hendel, 1914c:168. Type-locality: Mexico, Jalapa. Distr. — Mexico.
- SCALARIS** Blanchard, 1938b:89, figs. 4, 7. Type-locality: Argentina, Misiones. Distr. — Argentina.
- TOWNSENDI** Hendel, 1914c:169. Type-locality: Peru, Yahuar Mayo. Distr. — Peru.
- TRIFASCIATA** Hendel, 1909a:53; 1909b: pl. 3, fig. 46. Type-locality: Peru, Urubamba River, Umuhuankiali and Meshagua; Bolivia, Mapiri, San Ernesto and Sarampiuni and Chimate. Distr. — Peru, Bolivia.

Genus PTEROTAENIA Rondani

- PTEROTAENIA** Rondani, 1868:28. Type-species, *Ortalis fasciata* Wiedemann (mon.).
- Apospasmica* Loew, 1873:131. Type-species, *Ortalis fasciata* Wiedemann (orig. des.).
- Platyzeuxesta* Blanchard, 1967:3. Type-species, *rivelloides* Blanchard (orig. des.). N. SYN.
- ANGUSTIFASCIATA** Malloch, 1933:257, pl. 3, fig. 10. Type-locality: Argentina, Mendoza, Potrerillos. Distr. — Argentina.
- EDWARDSI** Malloch, 1933:256, pl. 3, fig. 9 (nom. nov. for *quinquefasciata* Macquart). Type-locality: "Chile". Distr. — Peru (Moquegua), Chile (Angol, Santiago, Valparaíso).
- quinquefasciata* Macquart, 1851:264 (291), pl. 27, fig. 4 (*Tephritis*; preocc. Macquart, 1835). Type-locality: "Chile".
- FASCIATA** (Wiedemann), 1830a:460 (*Ortalis*). Type-locality: Uruguay, Montevideo. Distr. — Bolivia, Uruguay, Argentina, Chile.
- PERUANA** Malloch, 1933:257. Type-locality: Peru, Trujillo. Distr. — Chile (Constitución), Peru.
- RIVELLOIDES** (Blanchard), 1967:5, fig. 3 (*Platyzeuxesta*). Type-locality: Argentina, Estación Experimental Agropecuaria San Juan. — Distr. — Argentina. N. COMB.

Genus RHYPARELLA Hendel

- RHYPARELLA** Hendel, 1909a:2, 26; 1909b:6, 35. Type-species, *decempunctata* (Hendel 1909b: 35).
- DECEMPUNCTATA** Hendel, 1909a:26; 1909b: pl. 2, figs. 32-34. Type-locality: Bolivia, Mapiri. Distr. — Brazil (Rio de Janeiro), Bolivia.
- NOVEMPUNCTATA** Hendel, 1909a:79. Type-locality: Bolivia, Mapiri. Distr. — Bolivia.

Genus SCHNUSIMYIA Hendel

- SCHNUSIMYIA Hendel, 1914a:4, 18; 1914b:10, 27. Type-species, *parvula* Hendel (orig. des.). New placement; originally in Platystomatidae.
PARVULA Hendel, 1914a:18; 1914b: pl. 2, figs. 38-40; 1909b: pl. 1, fig. 14 (without name). Type-locality: Peru, Ucayali River and Pichis; Bolivia, Mapiri, Sarampiuni. Distr. — Peru, Bolivia.

Genus SEIOPTERA Kirby

- SEIOPTERA Kirby, in Kirby & Spence, 1817:305. Type-species, *Tephritis vibrans* Latreille (mon.) = *vibrans* (Linnaeus).
Ref. — Steyskal, 1956 (revision).
IMPORTANS Hennig, 1941:74, figs. 2, 4. Type-locality: "Chile". Distr. — Chile. Ref. — Steyskal, 1956:32, 1963c:878.

Genus SYMPAECTRIA Hendel

- Pterocerina*, subg. SYMPAECTRIA Hendel, 1909a:41; 1909b:25, 26. Type-species, *Pterocerina acutipennis* Hendel (Aczél, 1951:417).
ACUTIPENNIS (Hendel), 1909a:43; 1909b: pl. 3, fig. 54 (*Pterocerina*). Type-locality: Peru, Urubamba River; Bolivia, Mapiri, Sarampiuni and San Carlos. Distr. — Peru, Bolivia.
STYLATA (Hendel), 1909a:44 (*Pterocerina*). Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.

Genus SYSTATA Loew

- SYSTATA Loew, 1868b:5. Type-species, *Tephritis rivularis* Fabricius (mon.).
ANGUSTATA Hendel, 1911c:24. Type-locality: "Bolivia". Distr. — Bolivia.

Genus TERPNOMYIA Hendel

- TERPNOMYIA Hendel, 1909a:3, 17; 1909b:7, 29. Type-species, *angustifrons* Hendel (Hendel, 1909b:29).
Proterpnomia Blanchard, 1967:2. Type-species, *tigrina* Blanchard (orig. des.) = *citrivitta* Enderlein. N. SYN.
ANGUSTIFRONS Hendel, 1909a:17; 1909b: pl. 2, figs. 26-29. Type-locality: Bolivia, Mapiri; Peru, Pichis, Puerto Yessup. Distr. — Peru, Bolivia.
BICOLOR Hendel, 1909a:80. Type-locality: Peru, Callanga. Distr. — Peru.
CITRIVITTA Enderlein, 1921:218. Type-locality: Uruguay, Montevideo. Distr. — Uruguay.
tigrina Blanchard, 1967:2, fig. 1 (*Proterpnomia*). Type-locality: Argentina, Santiago del Estero; Chaco; Buenos Aires, San Miguel. N. SYN.
COSTALIS Hendel, 1909a:81. Type-locality: Bolivia, Songo. Distr. — Bolivia.
NITENS Hendel, 1909a:82. Type-locality: Bolivia, Songo. Distr. — Bolivia.
SUBANDINA (Blanchard), 1967:3, fig. 2 (*Proterpnomia*). Type-locality: Argentina, Salta. Depto. Cafayate, Yacochuya; La Rioja. Distr. — Argentina. N. COMB.

Genus TETANOPS Fallén

- TETANOPS Fallén, 1820:2. Type-species, *myopinus* Fallén (mon.).
- RUFIFRONS Wulp, 1899:391, pl. 10, fig. 25. Type-locality: Mexico, Presidio de Mazatlán; Guerrero, Chilpancingo. Distr. — Mexico.
- VITTFRONS Wulp, 1899:391, pl. 10, figs. 24, 24a. Type-locality: Mexico, Jalisco; Guerrero, Chilpancingo and Amula; Morelos, Cuernavaca. Distr. — U.S.A., Mexico.

Genus TETRAPLEURA Schiner

- TETRAPLEURA Schiner, 1868:289. Type-species, *picta* Schiner (orig. des.).
- Lathrostigma Enderlein, 1921:214. Type-species, *limbatofasciatum* Enderlein (orig. des.). N. SYN.
- LIMBATOFASCIATA (Enderlein), 1921:215 (*Lathrostigma*). Type-locality: Peru, Cuzco, Callanga, Pinipini Valley. Distr. — Peru. N. COMB.
- PICTA Schiner, 1868:289, pl. 3, fig. 8. Type-locality: "South America". Distr. — South America (precise locality not known).

Genus VESPOMIMA Enderlein

- VESPOMIMA Enderlein, 1927:102. Type-species, *nigrotaenia* Enderlein (orig. des.).
- NIGROTAENIA Enderlein, 1927:102. Type-locality: Argentina, Buenos Aires Province. Distr. — Argentina.

Genus XANTHACRONA Wulp

- XANTHACRONA Wulp, 1899:392. Type-species, *bipustulata* Wulp (mon.).
- Xanthocrona*, error or emend.
Ref. — Steyskal, 1966b (key).
- BIPUSTULATA Wulp, 1899:393, pl. 10, figs. 29, 29a. Type-locality: Mexico, Presidio de Mazatlán. Distr. — U.S.A. (Texas), Mexico to Panama, West Indies (Cuba, Isle of Pines, Puerto Rico, Jamaica), Colombia, Brazil, Peru, Bolivia, Paraguay, Argentina (Misiones).
- PHYLLOCHAETA Hendel, 1909a:74; 1909b: pl. 3, figs. 86-87. Type-locality: "Paraguay". Distr. — Peru (Amazonas), Bolivia (Beni), Paraguay.
- TRIPUSTULATA Enderlein, 1921:212. Type-locality: "Paraguay". Distr. — Paraguay.
- TUBEROSA Cresson, 1908:97, pl. 6, figs. 2-3. Type-locality: Surinam, Paramaribo. Distr. — Trinidad, French Guiana, Surinam, Bolivia (Beni).
- YPSILON Enderlein, 1921:212 (as variety of *bipustulata*). Type-locality: Paraguay, San Bernardino. Distr. — Honduras, Trinidad, French Guiana, Ecuador, Peru (Amazonas), Brazil (Rio de Janeiro), Paraguay.

Subfamily ULIDIINAE

Genus ACROSTICTA Loew

ACROSTICTA Loew, 1868a:293. Type-species, *scrobiculata* Loew (Coquillett, 1910:503).

ANDINA (Brèthes), 1922:144 (*Euxesta*). Type-locality: Argentina, Mendoza, Cacheuta; Catamarca, Andalgalá. Distr. — Argentina.

APICALIS (Williston), 1896:375, pl. 12, fig. 128 (*Euxesta*). Type-locality: West Indies, Saint Vincent Island. Distr. — U.S.A., West Indies (Bahamas, Cuba, Puerto Rico, Haiti, Dominican Republic, Jamaica, Martinique, Dominica), Guatemala to Panama and south to Argentina, Galápagos Islands; also immigrant in Africa and Oceania.

similis Cresson, 1924:238. Type-locality: West Indies, Jamaica, Portland.

FIEBRIGI Lindner, 1928:97. Type-locality: Paraguay, Trinidad near Asunción. Distr. — Paraguay.

FOVEOLATA Loew, 1868a:294. Type-locality: "Brazil". Distr. — West Indies (Puerto Rico, Saint Thomas), Brazil.

PROFUNDA Hendel, 1909e:251. Type-locality: Bolivia, Songo. Distr. — Guyana, Peru, Bolivia.

RIOJANA (Brèthes), 1922:143 (*Euxesta*). Type-locality: Argentina, La Rioja. Distr. — Argentina.

RUBIDA (Loew), 1876:377 (*Ulidia*). Type-locality: U.S.A., California. Distr. — U.S.A., Mexico (Baja California).

RUFICAUDA Hendel, 1909e:250; 1910: pl. 3, fig. 66. Type-locality: Peru, Vilcanota; Bolivia, Mapiri. Distr. — Peru, Bolivia.

RUFIVENTRIS Hendel, 1910:52, pl. 4, fig. 101. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico, Honduras, West Indies (Cuba, Puerto Rico, Saint Croix).

mexicana Cole, 1923:476, fig. 15. Type-locality: Mexico, Sonora, Tepoca Bay.

SCROBICULATA Loew, 1868a:293, pl. 2, fig. 5. Type-locality: "Brazil". Distr. — Mexico, El Salvador, West Indies (Saint Thomas), Guyana, Brazil, Peru.

WYTSMANI Hendel, 1910:52. Type-locality: "Peru". Distr. — Peru.

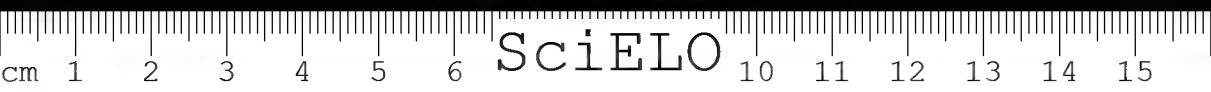
Genus ACROSTICTOMYIA Blanchard

ACROSTICTOMYIA Blanchard, 1938a:368. Type-species, *subapicalis* Blanchard (orig. des.).

Acrostictomyia, lapsus.

LONGISTIGMA Blanchard, 1938a:370. Type-locality: Argentina, Entre Ríos, Concordia; Tucumán. Distr. — Argentina.

SUBAPICALIS Blanchard, 1938a:368. Type-locality: Argentina, Santiago del Estero. Distr. — Argentina.



Genus ASPISTOMELLA Hendel

ASPISTOMELLA Hendel, 1909e:265. Type-species, *lobioptera* Hendel (orig. des.).
HETEROPTERA Hendel, 1909e:266; 1910: pl. 3, figs. 54-55. Type-locality: Peru, Meshagua. Distr. — Peru.

LOBIOPTERA Hendel, 1909e:264; 1910: pl. 3, figs. 56-57. Type-locality: Bolivia, Mapiri; Peru, Ucayali River. Distr. — Peru, Bolivia.

Genus AXIOLOGINA Hendel

AXIOLOGINA Hendel, 1909e:269. Type-species, *ferrumequinum* Hendel (orig. des.).

FERRUMEQUINUM Hendel, 1909e:268; 1910: pl. 3, figs. 76-79. Type-locality: Peru, Meshagua; Brazil. Distr. — Costa Rica, Panama, Guyana, Brazil, Peru.

Genus CENCHROMETOPA Hendel

CENCHROMETOPA Hendel, 1909e:252. Type-species, *curvinervis* Hendel (orig. des.).

CURVINERVIS Hendel, 1909e:251; 1910: pl. 2, figs. 70-72. Type-locality: Peru, Urubamba River. Distr. — Peru.

Genus CHAETOPSIS Loew

CHAETOPSIS Loew, 1868a:315. Type-species, *Ortalis aenea* Wiedemann (Coquillett, 1910:521).

AENEA (Wiedemann), 1830a:462 (*Ortalis*). Type-locality: U.S.A., Louisiana, New Orleans. Distr. — U.S.A., Cuba.

ANOMALIPENNIS (Malloch), 1933:260, pl. 3, fig. 8 (*Euxesta*). Type-locality: Argentina, Mendoza, Potrerillos. Distr. — Argentina. N. comb.

ARMATICORNIS (Malloch), 1933:261, fig. 54, pl. 3, fig. 11 (*Euxesta*). Type-locality: Argentina, Buenos Aires, San Isidro. Distr. — Argentina. N. comb.

DEBILIS Loew, 1868a:318, pl. 2, fig. 22. Type-locality: West Indies, "Cuba". Distr. — U.S.A., Mexico, West Indies (Cuba).

FULVIFRONS (Macquart), 1855:145 (125), pl. 7, fig. 8 (*Urophora*). Type-locality: U.S.A., Maryland, Baltimore. Distr. — U.S.A., West Indies (Puerto Rico).

HALTERATA (Malloch), 1933:261, pl. 3, fig. 7 (*Euxesta*). Type-locality: Argentina, Buenos Aires. Distr. — Argentina, Brazil (Rio de Janeiro). N. comb.

MAJOR (Wulp), 1899:398, pl. 11, fig. 11 (*Euxesta*). Type-locality: Mexico, Veracruz, Orizaba. Distr. — U.S.A., Mexico, El Salvador. N. comb.

MUCRONATA Hendel, 1909e:256; 1910: pl. 2, fig. 39. Type-locality: Brazil, São Paulo. Distr. — Brazil.



PRAECEPS Hendel, 1909e:258; 1910: pl. 2, fig. 42. Type-locality: Brazil, São Paulo. Distr. — Brazil.

QUADRIFASCIATA Curran, 1928:80, fig. 32. Type-locality: West Indies, Puerto Rico, Barros. Distr. — U.S.A., West Indies (Puerto Rico).

Genus EUMECOSOMYIA Hendel

EUMECOSOMYIA Hendel, 1909e:269. Type-species, *Epiplatea gracilis* Coquillett (mon.) = *nubila* (Wiedemann).

Ref. — Steyskal, 1966a (revision).

HAMBLETONI Steyskal, 1966a:100. Type-locality: Guatemala, Esquintla Province. Distr. — Guatemala.

LACTEIVITTATA Hendel, 1909e:270. Type-locality: Mexico, Veracruz, Orizaba. Distr. — Mexico (Aguascalientes, D.F., Querétaro, Veracruz).

NUBILA (Wiedemann), 1830a:660 (*Ortalis*). Type-locality: "Brazil". Distr. — U.S.A. (Texas), West Indies (Cuba, Haiti, Dominican Republic), Trinidad, Mexico, Guatemala, Nicaragua, Costa Rica, Venezuela, Brazil, Peru, Paraguay.

gracilis Coquillett, 1900:25 (*Epiplatea*). Type-locality: Mexico, Allende.

Genus EUMETOPIELLA Hendel

Eumetopia Macquart, 1847:103 (87) (preocc. Westwood, 1837). Type-species, *rufipes* Macquart (orig. des.).

EUMETOPIELLA Hendel, 1907:98 (nom. nov. for *Eumetopia* Macquart). Type-species, *Eumetopia rufipes* Macquart (aut.).

Neoeumetopiella Hendel, 1936:78. Type-species, *Eumetopiella fascipennis* Hendel (orig. des.). N. SYN.

ENGELI Lindner, 1928:96. Type-locality: Argentina, Misión Tacaaglé. Distr. — Argentina.

FASCIPENNIS Hendel, 1911c:26. Type-locality: Paraguay, Toldo Cué. Distr. — Brazil (Pará), Paraguay.

RUFIPES (Macquart), 1847:104 (8), pl. 6, fig. 2 (*Eumetopia*). Type-locality: U.S.A., Pennsylvania, Philadelphia. Distr. — U.S.A., Mexico.

RUFIVENTRIS Hendel, 1911c:27. Type-locality: Paraguay, Toldo Cué. Distr. — Paraguay.

VARIPES (Loew), 1866:181 (Cent. 6, no. 87) (*Eumetopia*). Type-locality: West Indies, "Cuba". Distr. — U.S.A., West Indies (Bahamas, Cuba).

Genus EUPHARA Loew

EUPHARA Loew, 1868a:291. Type-species, *Ceroxys caerulea* Macquart (mon.).

CAERULEA (Macquart), 1848:222 (62), pl. 7, fig. 6 (*Ceroxys*). Type-locality: Brazil, Rio Negro. Distr. — Guyana, Venezuela, Brazil, Peru.

Genus EUXESTA Loew

EUXESTA Loew, 1868a:297. Type-species, *Ortalis notata* Wiedemann (Coquillett, 1910:543).

Eusiesta, error.

- Euxestina* Curran, 1934b:429. Type-species, *fuscipennis* Curran (orig. des.).
N. SYN.
- Aloceuxesta* Hendel, 1936:78. Type-species, *Euxesta spoliata* Loew (orig. des.).
- Euxestina* Enderlein, 1937:438 (preocc. Curran, 1934). Type-species, *Musca costalis* Fabricius (orig. des.).
Refs. — Hendel, 1909d (revision); Curran, 1935:9 (key).
- ABDOMINALIS Loew, 1868a:307, pl. 2, fig. 15. Type-locality: West Indies, "Cuba". Distr. — U.S.A., Bermuda, West Indies (Bahamas, Cuba, Puerto Rico, Mona, Saint Thomas, Saint Martin, Jamaica), Costa Rica, Panama.
- diaphana* Wulp, 1882:90; 1883:54, pl. 2, fig. 12 (*Urophora*). Type-locality: West Indies, Saint Marten Island. N. SYN.
- ACUTA Hendel, 1909d:162; 1910: pl. 1, fig. 23. Type-locality: Peru, Callanga. Distr. — Peru.
- ACUTICORNIS Hendel, 1909d:165; 1910: pl. 1, fig. 25. Type-locality: Paraguay, Asunción. Distr. — Paraguay.
- ALTERNANS Loew, 1868a:308, pl. 2, fig. 16. Type-locality "Brazil". Distr. — Bermuda, West Indies (Dominica, Grenada), Mexico, Panama, Venezuela, Brazil, Argentina.
- propinqua* Schiner, 1868:283 (*Amethysa*). Type-locality: "South America" (Venezuela).
- ANNONAE (Fabricius), 1794:358 (*Musca*). Type-locality: "West Indies" ("Americae Insulis"). Distr. — U.S.A., West Indies (Bahamas, Cuba, Puerto Rico, Saint Croix, Haiti, Jamaica), Guyana, Brazil, Bolivia; also immigrant in Oceania and Philippine Islands. The species recorded as *E. annonae* by Malloch, 1933:258, from Argentina and Chile is a species of *Chaetopsis*.
- quadrivittata* Macquart, 1835:456 (*Urophora*). Type-locality: "Cuba".
- var. SCUTELLATA Johnson, 1919:445. Type-locality: West Indies, Jamaica, Montego Bay.
- ARCUATA Hendel, 1909d:166; 1910: pl. 2, fig. 26. Type-locality: Peru, Urubamba River. Distr. — Peru.
- ARGENTINA Brèthes, 1904:342, fig. 4. Type-locality: Argentina, Tucumán. Distr. — Argentina. Refs. — Hendel, 1909d:170; Malloch, 1933:259.
- ATRIPES Loew, 1868a:309, pl. 2, fig. 17. Type-locality: "Brazil". Distr. — Brazil.
- AUSTRALIS Lindner, 1928:95. Type-locality: Argentina, San José. Described as "südlich Form" of *E. notata* (Wied.); unrecognized.
- AYALA (Walker), 1849:1020 (*Trypeta*). Type-locality: West Indies, "Jamaica". Distr. — West Indies (Jamaica, Puerto Rico), Panama, Venezuela.
- latifascia* Schiner, 1868:283 (*Amethysa*). Type-locality: "South America" (Venezuela). N. SYN.
- alternata* Curran, 1935:19, fig. 3. Type-locality: Panama, Canal Zone, Barro Colorado Island. N. SYN.
- BASALIS (Walker), 1852:373 (*Ortalis*). Type-locality: "U.S.A.". Distr. — U.S.A., West Indies (Bahamas).
- BIFASCIATA Becker, 1919:197. Type-locality: Ecuador, Quinua-Loma, Yausai, El Angel, La Rinconada, Tulcán, and Cuenca. Distr. — Ecuador.

- BILIMEKI** Hendel, 1909d:163. Type-locality: Mexico, "Quadelup" (= Guadelupe). Distr. — Mexico (D.F., Nuevo León [Guadalupe], San Luis Potosí).
- BINOTATA** Loew, 1868a:304, pl. 2, fig. 12. Type-locality: West Indies, "Cuba". Distr. — West Indies (Cuba).
- EIPUNCTATA** (Macquart), 1835:505 (*Ulidia*). Type-locality: "Brazil". Unrecognized.
- CALLIGYNA** (Bigot), 1857a:304, pl. 7, fig. 3 (*Amethysa*). Type-locality: "Chile". Distr. — Chile. Ref. — Malloch, 1933:258.
- CALLONA** Steyskal, 1966c:487, fig. 11. Type-locality: Galápagos, Isla Santa Cruz. Distr. — Galápagos Islands (Isla Santa Cruz).
- CAVAGNAROI** Steyskal, 1966c:487, figs. 2, 10a-b. Type-locality: Galápagos, Isla Wolf. Distr. — Galápagos Islands (Isla Wolf).
- CHAVANNEI** Brèthes, 1914:87, fig. 1. Type-locality: Argentina, Tucumán. Distr. — Argentina.
- CONSERATA** Wulp, 1899:399, pl. 11, fig. 14. Type-locality: Mexico, Veracruz, Atoyac. Distr. — Mexico.
- COSTALIS** (Fabricius), 1794:360 (*Musca*). Type-locality: "Americae meridionalis Insulis". Distr. — West Indies (Cuba, Puerto Rico, Saint John, Saint Thomas, Jamaica).
- aculeata* Fabricius, 1805:275 (*Dacus*). Type-locality: "Americae Insulis".
- DECISA** (Walker), 1857:227 (*Herina*). Type-locality: "Brazil". Unrecognized.
- ELUTA** Loew, 1868a:312, pl. 2, fig. 19. Type-locality: West Indies, "Cuba". Distr. — U.S.A., Mexico, West Indies, (Cuba, Puerto Rico, Barbados), Brazil, Peru, Bolivia, Paraguay, Chile, Argentina.
- FENESTRATA** Coquillett, 1904:95. Type-locality: Guatemala, Champerico. Distr. — Guatemala.
- FUSCIPENNIS** (Curran), 1934a:429 (*Euxestina*). Type-locality: Guyana, Bartica district, Kartabo. Distr. — Guyana. N. comb.
- GALAPAGENSIS** Curran, 1934c:156. Type-locality: Galapagos, Isla Española. Distr. — Galapagos Islands (Islas Santa Cruz, Pinzón, Wolf, Fernandina, Española). Ref. — Steyskal, 1966c: 489, figs. 3a-c.
- GEMINATA** Hendel, 1909d:158; 1910: pl. 1, fig. 16. Type-locality: Peru, Meshagua. Distr. — Peru.
- GUIANICA** Curran, 1934a:431. Type-locality: Guyana, Bartica district, Kartabo. Distr. — Guyana.
- HENDELI** Lindner, 1928:95. Type-locality: Argentina, Tapikiolé. Distr. — Argentina.
- INSOLITA** Hendel, 1909d:168. Type-locality: Peru, Vilcanota. Distr. — Peru.
- INTERMEDIA** (Lynch Arribáizaga), 1881:191 (*Amethysa*). Type-locality: Argentina, Patagonia, Rio Colorado. Distr. — Argentina.
- INTRUDENS** (Walker), 1857:228 (*Herina*). Type-locality: "Amazon". According to Hendel, apparently a synonym of *E. annonae*; unrecognized.
- JUNCTA** Coquillett, 1904:95. Type-locality: Nicaragua, Granada. Distr. — U.S.A. (Texas), Nicaragua, Costa Rica, West Indies (Bahamas, Jamaica). This species was misidentified by Hendel; his species is named below.

- JUNCTULA** Steyskal, new species. Holotype, female, Peru, Meshagua (coll. Schnuse). The description as of *Euxesta juncta* Coquillett by Hendel, 1909d:160, and the figure of the wing given by Hendel, 1910: pl. 1, fig. 22, will serve adequately to describe this species. It differs from *E. juncta* in the wing pattern: while *E. junctula* has a single hyaline area in the apical half of the wing, *E. juncta* has two hyaline areas in the apical half of the wing, the posterior one extending from the posterior wing margin to a point just anterad of the 4th vein and separated from the anterior area by an oblique brown band running posterobasad from the brown apex of the wing to the posterior end of the band crossing the posterior crossvein.
- LACTEPENNIS** Hendel, 1909d:156. Type-locality: Bolivia, Mapiri. Distr. — Guyana, Bolivia, Northern Argentina.
- LATIFASCIATA** Wulp, 1899:397, pl. 11, fig. 9. Type-locality: Mexico, Morelos, Cuernavaca. Distr. — Mexico.
- LEUCOMELAS** (Walker), 1860:325 (*Ortalis*). Type-locality: "South America" (Brazil). Distr. — Mexico, Guyana, Brazil (Rio de Janeiro).
- fascipennis* Wulp, 1899:398, pl. 11, fig. 10. Type-locality: Mexico, Veracruz, Orizaba; Guerrero, Tepetla; Veracruz, Medellin; Tabasco, Teapa. N. SYN. from types of both species.
- LUNATA** Hendel, 1909d:157; 1910: pl. 1, fig. 17. Type-locality: Peru, Meshagua. Distr. — Peru.
- LUTEOCESTA** Foote, 1960:95, fig. 3. Type-locality: West Indies, Bahamas, Exuma Cays. Distr. — U.S.A. (Florida), West Indies (Bahamas).
- MACQUARTI** (Schiner), 1868:282 (*Amethysa*). Type-locality: "South America" (Venezuela). Distr. — Venezuela.
- MACULATA** Hendel, 1909d:169. Type-locality: Bolivia, Mapiri; Peru, Meshagua. Distr. — Panama, Guyana (as *E. bipunctata* [Macquart] by Curran, 1934a:437), Peru, Bolivia.
- MITIS** Curran, 1931:17, fig. 4. Type-locality: West Indies, Virgin Islands, Vieques Islands, Puerto Real. Distr. — West Indies (Vieques Island).
- NESIOTIS** Steyskal, 1966c:490. Type-locality: Galápagos, Isla Pinzón. Distr. — Galápagos Islands (Isla Pinzón).
- NIGRICANS** Wulp, 1899:397, pl. 11, fig. 8. Type-locality: Mexico, Guerrero, Amula. Distr. — Mexico (Guerrero, Veracruz).
- NITIDIVENTRIS** Loew, 1873:157. Type-locality: U.S.A., Texas. Distr. — U.S.A., Guyana (Curran, 1934a:431), ?Galápagos. Records of this species from outside U.S.A. should be checked, because most have been found erroneous.
- NOTATA** (Wiedemann), 1830a:462 (*Ortalis*). Type-locality: U.S.A., New York and Georgia. Distr. — U.S.A., Mexico (Baja California, Monserrate and San José Islands), West Indies (Bahamas, Puerto Rico), ?Galápagos.
- OBLIQUA** (Thomson), 1869:574 (*Ortalis*). Type-locality: Peru, Callao. Unrecognized.
- OBLIQUESTRIATA** Hendel, 1909d:167; 1910: pl. 1, fig. 19. Type-locality: Brazil; Bolivia; Paraguay. Distr. — Ecuador, Brazil, Bolivia, Paraguay.

- PANAMENA** Curran, 1935:20, fig. 4. Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — Guatemala, Costa Rica, Panama, Colombia.
- PHOEBIA** Steyskal, 1966c:491, fig. 1. Type-locality: Galápagos, Isla Santa Cruz. Distr. — Galápagos Island (Isla Santa Cruz).
- PUNCTIPENNIS** Enderlein, 1937:438. Type-locality: British Honduras, Manatee. Distr. — British Honduras.
- PUSIO** Loew, 1868a:299, pl. 2, fig. 8. Type-locality: West Indies, "Cuba". Distr. — Bermuda, West Indies (Cuba, Jamaica).
- QUATERNARIA** Loew, 1868a:302 pl. 2, fig. 11. Type-locality: West Indies, "Cuba". Distr. — U.S.A., West Indies (Bahamas, Cuba, Saint Thomas, Jamaica), Panama.
- REMOTA** Cresson, 1924:238. Type-locality: West Indies, Cuba, Habana. Distr. — West Indies (Cuba).
- SCHINERI** Hendel, 1909d:160; 1910: pl. 1, fig. 20 (nom. nov. for *basalis* Schiner). Type-locality: "Venezuela". Distr. — Venezuela, Peru, Bolivia.
- basalis* Schiner, 1868:284 (*Amethysa*; preocc. Walker, 1852). Type-locality: "South America" (Venezuela).
- SCHNUSEI** Hendel, 1909d:161. Type-locality: Peru. Meshagua. Distr. — Peru.
- SCHUSTERI** Steyskal, 1966c:491, fig. 12. Type-locality: Galápagos, Isla Santa Cruz. Distr. — Galápagos Islands (Islas Santa Maria, Isabela, Santa Cruz).
- SCORIACEA** Loew, 1876:336. Type-locality: U.S.A., Texas. Distr. — U.S.A., West Indies (Bahamas).
- SCORIACINA** Hendel, 1936:77. Type-locality: Brazil, Pará, Santarém. Distr. — Brazil.
- SIMILIS** Enderlein, 1937:438. Type-locality: Costa Rica; Southern Brazil; Mexico. Distr. — Mexico, Costa Rica, Brazil.
- SORORCULA** (Wiedemann), 1830a:463 (*Ortalis*). Type-locality: "Brazil". Distr. — Mexico, Brazil, Peru, Bolivia, Argentina.
- SPODIA** Steyskal, 1966c:492, figs. 4a-c. Type-locality: Galápagos, Isla Santa Cruz. Distr. — Galápagos Island (Isla Santa Cruz).
- SPOLIATA** Loew, 1868a:298, pl. 2, fig. 7. Type-locality: West Indies, "Cuba". Distr. — U.S.A., Mexico, West Indies (Cuba, Puerto Rico, Saint Croix), Panama, Brazil, Bolivia, Paraguay, Argentina.
- platystoma* Thomson, 1869:572 (*Ortalis*). Type-locality: "Panama".
- laticeps* Wulp, 1899:397, pl. 11, figs. 7, 7a. Type-locality: Mexico, Tabasco, Teapa. N. SYN. from type examination.
- skinneri* Cresson, 1924:237 (*Psairoptera*). Type-locality: West Indies, Cuba, Guantánamo. N. SYN.
- STIGMA** Hendel, 1909d:159. Type-locality: Peru, Urubamba River. Distr. — West Indies (Barbados), Peru, Chile.
- STIGMATIAS** Loew, 1868a:310, pl. 2, fig. 18. Type-locality: West Indies, Cuba; Brazil. Distr. — U.S.A., Mexico to Panama, West Indies (Bahamas, Cuba, Puerto Rico, Mona, Saint Croix, Jamaica, Saint Vincent, Grenada, Barbados), Trinidad, Guyana, Venezuela, Brazil, Peru, Bolivia.

- TEPOCAE (Cole), 1923:475, figs. 13-14 (*Acrosticta*). Type-locality: Mexico, Sonora, Tepoca Bay. Distr. — Mexico. N. comb.
- THOMAE Loew, 1868a:306, pl. 2, fig. 14. Type-locality: West Indies, Saint Thomas Island. Distr. — U.S.A., West Indies (Puerto Rico, Saint Thomas, Saint Croix, Vieques, Barbados).
- UNDULATA Hendel, 1913:636. Type-locality: "Paraguay". Distr. — Paraguay.
- WETTSTEINI Hendel, 1909d:165; 1910: pl. 1, fig. 21. Type-locality: Brazil, São Paulo, Iguape. Distr. — Trinidad, Venezuela, Brazil, Paraguay.

Genus HYPOECTA Loew

- HYPOECTA Loew, 1868a:318. Type-species, *longula* Loew (mon.).
- LONGULA Loew, 1868a:319, pl. 2, fig. 23. Type-locality: Brazil, São Paulo, Santos. Distr. — Brazil, Paraguay.

Genus METOPOCAMPTA Enderlein

- METOPOCAMPTA Enderlein, 1927:104. Type-species, *planiceps* Enderlein (orig. des.).
- PLANICEPS Enderlein, 1927:104. Type-locality: Brazil, Santa Catarina, Joinville. Distr. — Brazil.

Genus OEDOPA Loew

- OEDOPA Loew, 1868a:287. Type-species, *capito* Loew (mon.).
- ELEGANS Giglio-Tos, 1893:12; 1895:42. Type-locality: Mexico, Oaxaca. Distr. — Mexico.

Genus PARAPHYOLA Hendel

- PARAPHYOLA Hendel, 1909e:262. Type-species, *angustifrons* Hendel (mon.).
- ANGUSTIFRONS Hendel, 1909e:261; 1910: pl. 3, figs. 52-53. Type-locality: Peru, Meshagua and Pichis. Distr. — Peru.
- CRUCIFERA Hendel, 1909e:262. Type-locality: Peru, Meshagua. Distr. — Peru.

Genus PAREUXESTA Coquillett

- PAREUXESTA Coquillett, 1901:376. Type-species, *latifasciata* Coquillett (orig. des.).
- Ref. — Steyskal, 1966c:486, 493-497, figs. 5-9 (revision).
- ACADEMICA Steyskal, 1966c:493, fig. 8. Type-locality: Galápagos, Isla Santa Cruz. Distr. — Galápagos Islands (Islas Santa Cruz, Pinzón).
- HYALINATA Coquillett, 1901:377. Type-locality: Galápagos, Isla Isabela. Distr. — Galápagos Islands (Isla Isabela).
- INTERMEDIA Coquillett, 1901:377. Type-locality: Galápagos, Isla Isabela. Distr. — Galápagos Islands (Isla Isabela).
- LATIFASCIATA Coquillett, 1901:376. Type-locality: Galápagos, Isla Genovesa. Distr. — Galápagos Islands (Isla Genovesa).

- OBSCURA Coquillett, 1901:377. Type-locality: Galápagos, Isla Isabela. Distr. — Galápagos Islands (Islas Isabela, Daphne Major).
 XANTHOMERA Steyskal, 1966c:496, fig. 9. Type-locality: Galápagos, Isla Santa Cruz. Distr. — Galápagos Islands (Isla Santa Cruz).

Genus PHYSIPHORA Fallén

- PHYSIPHORA Fallén, 1810:11. Type-species, *Chrysomyza splendida* Fallén (sub. mon.; Fallén, 1817:3) = *demandata* (Fabricius).
Chrysomyza Fallén, 1817:3 (nom. nov. for *Physiphora* Fallén, supposedly preoccupied by *Physophora* Forskal, 1775). Type-species, *splendida* Fallén (mon.) = *demandata* (Fabricius).
Oliochloria Enderlein, 1927:103. Type-species, *Musca aenea* Fabricius (orig. des.).
 Ref. — Ségué, 1941 (key).
 AENEAE (Fabricius), 1794:335 (*Musca*). Type-locality: "Asia". Distr. — Asia, Africa, Australia, Oceania, U.S.A., Mexico, Brazil.
 DEMANDATA (Fabricius), 1794:564 (*Musca*). Type-locality: "Europe". Distr. — Europe, Asia, Africa, U.S.A., Mexico (Sonora), Chile, Argentina.
atabula (Blanchard), 1967:6 (*Chrysomyza*). Type-locality: Argentina, Mendoza; Godoy Cruz; Estación Experimental Agropecuaria San Juan. N. SYN.

Genus PLAGIOCEPHALUS Wiedemann

- PLAGIOCEPHALUS Wiedemann, 1830b:12. Type-species, *lobularis* Wiedemann (mon.).
Plagiocephala, emend.
Stylophthalmyia Frey, 1926:45. Type-species, *fascipennis* Frey (orig. des.) = *latifrons* (Hendel).
Ophryoterpnomyia Hendel, 1936:76. Type-species, *Terpnomyia latifrons* Hendel (orig. des.).
Paragoniaeola Blanchard, 1938a:370. Type-species, *tanycephala* Blanchard (orig. des.) = *lobularis* Wiedemann.
Eupterocerina Blanchard, 1938b:91. Type-species, *conjuncta* Blanchard (orig. des.) = *lobularis* Wiedemann. N. SYN.
Willineria Blanchard, 1951:32. Type-species, *orfilai* Blanchard (mon.) = *latifrons* (Hendel).
 Refs. — Steyskal, 1963b, 1964 (revision).
 LATIFRONS (Hendel), 1909:18; 1909b: pl. 2, figs. 30, 31 (*Terpnomyia*). Type-locality: Bolivia, Mapiri; Peru, Urubamba River. Distr. — Guatemala to Panama, Peru, Bolivia.
fascipennis Frey, 1926:46 (*Stylophthalmyia*). Type-locality: "Guatemala".
orfilai Blanchard, 1951:32, figs. (*Willineria*). Type-locality: Bolivia, Yungas, Charape.
 LOBULARIS Wiedemann, 1830a:355; 1830b:15, pl. 2, fig. 1. Type-locality: "Brazil". Distr. — Brazil, Paraguay, Argentina.
tanycephala Blanchard, 1938a:371, fig. 8e (*Paragoniaeola*). Type-locality: Argentina, Misiones.

conjuncta Blanchard, 1938b:91, figs. 5, 8 (*Eupterocerina*). Type-locality: Argentina, Misiones, Puerto Bemberg. N. SYN.

zikani Capoor, 1954:205, figs. 1-2 (*Ophryoterpnomyia*). Type-locality: Brazil, Rio de Janeiro, Itatiaia.

Genus POLYTELOPTERA Hendel

POLYTELOPTERA Hendel, 1909e:263. Type-species, *apotropa* Hendel (mon.).

APOTROPA Hendel, 1909e:263; 1910: pl. 2, figs. 46-48. Type-locality: Brazil, São Paulo. Distr. — Brazil.

Genus SIOPA Hendel

SIOPA Hendel, 1909e:254. Type-species, *longicornis* Hendel (mon.).

LONGICORNIS Hendel, 1909e:253; 1910: pl. 3, figs. 67-69. Type-locality: Peru, Meshagua. Distr. — Costa Rica, Panama, Peru.

Genus STENOMYIA Loew

STENOMYIA Loew, 1868a:320. Type-species, *tenuis* Loew (mon.).

ANGUSTA (Hendel), 1909e:260; 1910: pl. 2, fig. 40 (*Chaetopsis*). Type-locality: Brazil, São Paulo. Distr. — Brazil, Argentina.

LATICAUDA (Hendel), 1909e:259 (*Chaetopsis*). Type-locality: Paraguay, Puerto Max. Distr. — Paraguay.

TENUISSIMA (Hendel), 1910:28, pl. 2, fig. 43 (*Euxesta*). Type-locality: U.S.A., Georgia. Distr. — U.S.A., West Indies (Bahamas, Cuba).

Genus STICTOMYIA Bigot

STICTOMYIA Bigot, 1885:clxvi. Type-species, *longicornis* Bigot (mon.).

LONGICORNIS Bigot, 1885:clxvi. Type-locality: "Mexico". Distr. — U.S.A., Mexico.

Genus ULIVELLIA Speiser

ULIVELLIA Speiser, 1929:28. Type-species, *inversa* Speiser (orig. des.).

INVERSA Speiser, 1929:30, fig. 1. Type-locality: Brazil, Santa Catarina, Jaraguá. Distr. — Brazil.

Genus ZACOMPSIA Coquillett

ZACOMPSIA Coquillett, 1901:15. Type-species, *fulva* Coquillett (orig. des.).

METALLICA Curran, 1934a:430. Type-locality: Guyana, Bartica district, Kartabo. Distr. — Guyana.

UNPLACED GENERA AND SPECIES

CONSPERSA Walker, 1857:221 (*Dorycera*). Type-locality: "Colombia". Possibly near *Euxesta*.

Genus ORTALIDINA Blanchard

- ORTALIDINA Blanchard, 1852:455. Type-species, *cellularis* Blanchard (mon.).
- CELLULARIS Blanchard, 1852:455, pl. 5, fig. 11. Type-locality: Chile, Santa Rosa, etc. It seems likely that this is *Acrometopia australis* Malloch (Chamaemyiidae).
- DECORATA Blanchard, 1852:453 (*Ortalis*). Type-locality: Chile, Coquimbo.
- OCHRASPIS Wiedemann, 1830a:466 (*Ortalis*). Type-locality: "Brazil".
- PICTA Blanchard, 1852:454 (*Ortalis*). Type-locality: Chile, Coquimbo, etc.
- STRIOLATA Blanchard, 1852:453 (*Ortalis*). Type-locality: Chile, Coquimbo.
- FULVIFRONS Bigot, 1857b:347 (826) (*Ulidia*). Type-locality: West Indies, Cuba.
- METALLICA Bigot, 1857b:347 (825), pl. 20, figs. 11, 11a-b (*Ulidia*). Type-locality: West Indies, Cuba. It is likely that this is a *Lonchaeid*.
- ANTILLARUM Macquart, 1851:262 (289), pl. 26, fig. 17 (*Urophora*). Type-locality: "West Indies". Osten Sacken stated that this species might belong in *Euxesta*, but I consider that quite doubtful.

NOMINA NUDA

- coaternastra* Pazos, 1914:999 (*Euxesta*). Possibly misreading of *quaternaria*.
- vitaleis* Pazos, 1914:999 (*Ortalis*).

LITERATURE CITED

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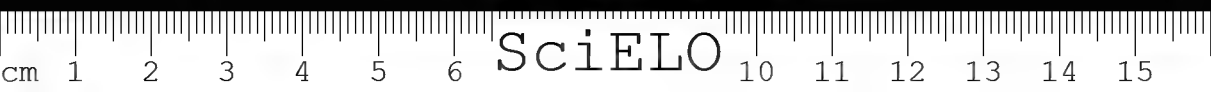
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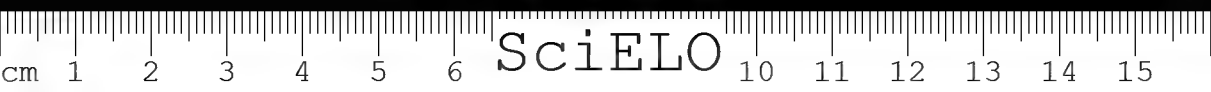
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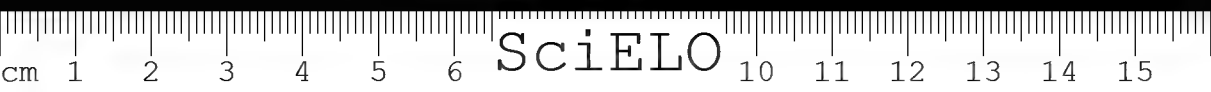
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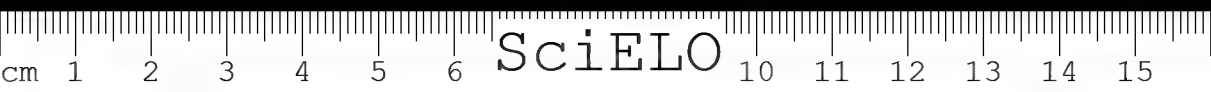
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SciELO

DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

55

FAMILY PLATYSTOMATIDAE

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The Platystomatidae are not well represented in the Americas; their main areas of distribution, with a very large number of species, lie in the tropics of the Old World. Of the two chief American genera, the one, *Rivellia*, is worldwide and the other, *Senopterina*, is restricted to the Americas, as are the remaining American genera.

Very little is known of the biology of the family.

The great pioneering works of Hendel (1914a, 1914b), are still the most important works of reference on the family. Steyskal (1961b) gave a key to the genera of North America, including all of the American genera except *Himeroessa*.

Genus AMPHICNEPHES Loew

AMPHICNEPHES Loew, 1873:83. Type-species, *pertusus* Loew (mon.) = *pulus* (Wiedemann).

STELLATUS Wulp, 1899:390, pl. 10, fig. 23. Type-locality: Mexico, Guerrero, Chilpancingo; northern Yucatán. Distr. — Mexico to Panama, Colombia.

Genus HIMEROESSA Loew

HIMEROESSA Loew, 1873:85. Type-species, *pretiosa* Loew (mon.).

Illiothrix Enderlein, 1924:114. Type-species, *trabeata* Enderlein (orig. des.) = *pretiosa* Loew. N. SYN.

PRETIOSA Loew, 1873:85, pl. 8, fig. 2. Type-locality: West Indies, "Cuba". Distr. — West Indies (Cuba).

trabeata Enderlein, 1924:114 (*Illiothrix*). Type-locality: "Cuba". N. SYN.

Genus RIVELLIA Robineau-Desvoidy

RIVELLIA Robineau-Desvoidy, 1830:729. Type-species, *herbarum* Robineau-Desvoidy (Rondani, 1869:8, 28) = *syngessiae* (F.).

CONNECTA Wulp, 1898:383, pl. 10, fig. 12. Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — Mexico.

- CURVATA* Hendel, 1914a:179; 1914b: pl. 2, fig. 27. Type-locality: Peru, Callanga. Distr. — Peru.
- FLEXUOSA* Wulp, 1898:383, pl. 10, fig. 13. Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico.
- LIGATA* (Say), 1830:183 (*Ortalis*). Type-locality: "Mexico". Unrecognized.
- LONGICORNIS* Wulp, 1898:384, pl. 10, fig. 15. Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico.
- MICANS* Loew, 1873:94. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico (northern Sonora). Ref. — Namba, 1956:54-56, 84, figs. 10 a-d.
- OCCULTA* Wulp, 1898:382, pl. 10, fig. 8. Type-locality: Mexico, Guerrero, Chilpancingo and Omilteme. Distr. — U.S.A., Mexico, Guatemala, Costa Rica. Ref. — Namba, 1956:37-38, 82, figs. 8, d-g.
- PILOSULA* Wulp, 1898:384, pl. 10, fig. 14. Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico, El Salvador, Costa Rica.
- SUBMETALLICA* Wulp, 1898:382, pl. 10, fig. 10. Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico.
- TERSA* Namba, 1956:31-32, 82, figs. 8, a-c. Type-locality: U.S.A., New Mexico, Mountain Park. Distr. — U.S.A., Mexico (Chihuahua, Veracruz).
- WULPIANA* Hendel, 1914a:176. Type-locality: Mexico, Veracruz, Orizaba. Distr. — Mexico, Costa Rica. Ref. — Wulp, 1898:383, pl. 10, fig. 11 (as *conjuncta* Loew, misidentification).
- vanderwulpi* Cresson, 1924:225. Type-locality: Mexico, Guadalajara.

Genus *SENOPTERINA* Macquart

- SENOPTERINA* Macquart, 1835:453. Type-species, *Dacus brevipes* Fabricius (mon.).
- Stenopterina*, emend.
- Bricinnia* Walker, 1861:324. Type-species, *flexivitta* Walker (mon.).
- Bricinniella* Giglio-Tos, 1893:13; 1895:45. Type-species, *cyanea* Giglio-Tos (mon.).
- ALLIGATA* Wulp, 1898:381, pl. 10, fig. 7. Type-locality: Mexico, Paso del Macho. Distr. — Mexico.
- BREVIPES* (Fabricius), 1805:272 (*Dacus*). Type-locality: "South America". Distr. — Mexico, Trinidad, Guyana, Colombia, Brazil, Peru, Bolivia, Paraguay. Ref. — Shewell, 1962:194, figs. 1-3, 13.
- splendens* Macquart, 1846:337 (209), pl. 18, fig. 8 (*Herina*). Type-locality: "Colombia".
- angusta* Walker, 1852:374 (*Herina*). Type-locality: "Brazil".
- CHIRIQUIANA* Hennig, 1940:317, pl. 24, fig. 11. Type-locality: Panama, Chiriqui, Bajo Boquete (as Bouqueti). Distr. — Panama.
- CYANEA* (Giglio-Tos), 1893:13; 1895 (*Bricinniella*). Type-locality: Mexico, Cuernavaca. Distr. — Mexico, Guatemala, El Salvador. Ref. — Hendel, 1914a:110; 1914b: pl. 6, fig. 111.
- DISTINCTA* (Walker), 1849:806 (*Chromatomyia*). Type-locality: Uruguay, Montevideo. Unrecognized.

- FLEXIVITTA (Walker), 1861:324 (*Bricinnia*). Type-locality: "Mexico". Distr. — Mexico, Costa Rica.
- FUSCICOSTA Hendel, 1914a:107. Type-locality: Bolivia, Yungas de la Paz. Distr. — Bolivia.
- INFUSCATA Hendel, 1914a:106. Type-locality: Bolivia, Songo. Distr. — Bolivia.
- MACULARIS (Fabricius), 1805:275 (*Dacus*). Type-locality: "South America". Distr. — Panama, Trinidad, Guyana, Brazil, Peru, Bolivia. Ref. — Hendel, 1914a:108-109; 1914b: pl. 6, figs. 109-110.
- violacea* Macquart, 1848:222 (62), pl. 7, fig. 3 (*Ortalis*). Type-locality: "Rio Negro".
- bicolor* Walker, 1849:805 (*Chromatomyia*). Type-locality: Brazil, Pará.
- MEXICANA (Macquart), 1843:365 (208), pl. 29, fig. 2 (*Herina*). Type-locality: "Mexico". Distr. — Mexico (southern part), Nicaragua. Ref. — Shewell, 1962:199-200, figs. 8, 9, 16, 17. Lapsus: *metallica* (Loew, 1873).
- OCHRIPENNIS Enderlein, 1924:113. Type-locality: Peru, Cuzco, Callanga, Pinipini valley. Distr. — Peru.
- VERRUCOSA Hendel, 1914a:106. Type-locality: Bolivia, Songo. Distr. — Peru, Bolivia.
- var. FLAVESCENS Enderlein, 1924:113. Type-locality: Peru, Cuzco, Callanga, Pinipini valley. Distr. — Peru.
- var. NIGRIPES Enderlein, 1924:113. Type-locality: "Bolivia". Distr. — Bolivia.

Unrecognized species of SENOPTERINA

- VIOLACEA (Macquart), 1843:364 (207), pl. 29, fig. 1 (*Herina*). Type-locality: Brazil, environs of Pará. Quite different from *Ortalis violacea* Macquart, 1848, synonym of *Senopterina macularis* (Fabricius).

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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

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FAMILY PYRGOTIDAE

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The Pyrgotidae are most closely related to the Tephritidae, but rather than being plant feeders they are as far as known parasites of beetles of the family Scarabaeidae. The species are mostly of nocturnal habit and are attracted to lights, as are their hosts. Their distribution is worldwide, and they are seemingly more abundant in the tropics.

The Neotropical species have been revised in large part by Aczél (1956). The general list by Hendel (1908b) is now seriously out-of-date, but the only other complete list is a bare checklist by Bezzi (1929).

Subfamily LOCHMOSTYLIINAE

Genus FURCISETA Aczél

FURCISETA Aczél, 1955: (v. 6) 23. Type-species, *Ramuliseta plaumanni* Hennig (orig. des.).

PLAUMANNI (Hennig), 1952:604, figs. 1-9 (*Ramuliseta*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil.

Genus LOCHMOSTYLIA Hendel

LOCHMOSTYLIA Hendel, 1934:143. Type-species, *borgmeieri* Hendel (orig. des.).

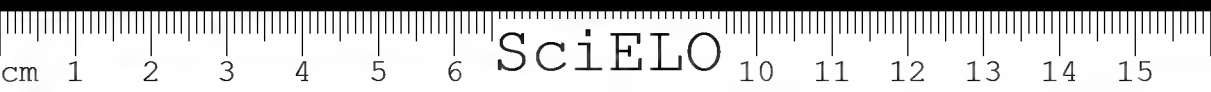
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Travassomyia Lopes, 1935:248. Type-species, *borgmeieri* Lopes (not Hendel; orig. des.) = *lopesi* Keiser.

BORGMEIERI Hendel, 1934:143. Type-locality: Costa Rica, 8 km west of San José, Farm La Caja (originally cited erroneously as "Brasilien"). Distr. — Costa Rica. Ref. — Keiser, 1951:114, fig. 1.

LOPESI Keiser, 1951:118. Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — Brazil.

borgmeieri Lopes, 1935:248, figs. 1-9 (*Travassomyia*; preocc. Hendel, 1934). Type-locality: Brazil, Rio de Janeiro, Petrópolis.



Genus TAUROSCYPSON Curran

- TAUROSCYPSON Curran, 1934:419. Type-species, *guiana* Curran (orig. des.). This name was stated by its author to have been formed from Greek *tauros* and *kyon*; it is therefore badly misconstrued and should be of masculine gender. It seems best to consider it as a neologism of feminine gender, as Aczél has treated it.
- ANDINA Aczél, 1956: (v. 6) 23, figs. 93-96, pl. 5, fig. T (p. 24); specific characters also cited in v. 4: 170-174. Type-locality: Bolivia, Sara, Santa Cruz. Distr. — Peru, Bolivia.
- GUYANA Curran, 1934:419, figs. 51-54. Type-locality: Guyana, Bartica district, Kartabo. Distr. — Guyana.

Subfamily PARATOXURINAE

Genus DESCOLEIA Aczél

- DESCOLEIA Aczél, 1956: (v. 5) 3. Type-species, *teretrura* Aczél (orig. des.).
- TERETRURA Aczél, 1956: (v. 5) 4, figs. 1-10, pl. 1, fig. B; specific characters also cited in v. 4:167-174. Type-locality: Argentina, Tucumán, San Pedro de Colalao. Distr. — Argentina.

Subfamily PYRGOTINAE

Tribe PYRGOTINI

Genus ANAPYRGOTA Steyskal, new

- ANAPYRGOTA Steyskal, new genus. Type-species, *Apyrgota personata* Lutz & Lima. The genus *Apyrgota* Hendel, 1908, does not occur in the Americas. Examination of a specimen of *A. personata* reveals that it requires a new genus which may be distinguished from *Apyrgota* and other genera by the following characters: vein R_4+5 bare; vein Cu_2 bent into cell Cu_2 , which is drawn out posteriorly into a point; face without median keel; alula well developed; postscutellum lacking; wing hyaline with zigzag banded pattern; costa distinct to complete vein M_1 (4th vein). The last three characters distinguish this genus from *Carrerapyrgota*.
- PERSONATA (Lutz & Lima), 1918:11, pl. 2, fig. 26 (*Apyrgota*). Type-locality: Brazil, Pernambuco, Palmares. Distr. — Panama (Río Indio, in USNM), Brazil.

Genus CARRERAPYRGOTA Aczél

- CARRERAPYRGOTA Aczél, 1956: (v. 4) 169, 182, (v. 5) 16, (v. 6) 20. Type-species, *miliaria* Aczél (orig. des.).
- MILIARIA Aczél, 1956: (v. 6) 21, figs. 84-92, pl. 5, fig. S (p. 24); specific characters also cited in v. 4:167-174. Type-locality: Brazil, Mato Grosso, Salobra. Distr. — Brazil, Paraguay, Argentina.

Genus IDIOPYRGOTA Aczél

- IDIOPYRGOTA Aczél, 1956: (v. 5) 15, (v. 6) 16. Type-species, *setiventris* Aczél (orig. des.).

SETIVENTRIS Aczél, 1956: (v. 6) 16, figs. 78-83, pl. 5, fig. R (p. 24); specific characters also cited in v. 4:167-174. Type-locality: Brazil, Mato Grosso, Salobra. Distr. — Brazil.

Genus LEPTOPYRGOTA Hendel

LEPTOPYRGOTA Hendel, 1914:110. Type-species, *amplipennis* Hendel (orig. des.).

Porpedrum Enderlein, 1942:104, 112. Type-species, *fibulatum* Enderlein (orig. des.).

ALBITARSIS Aczél, 1956: (v. 5) 42, figs. 28-31, pl. 2, fig. F (p. 28); specific characters cited also in v. 4:167-174. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil.

AMPLIPENNIS Hendel, 1914:110, pl. 1, fig. 11. Type-locality: Bolivia, Yungas de la Paz. Distr. — Costa Rica, Bolivia.

ANNULPES Aczél, 1956: (v. 5) 46, figs. 37-42, pl. 2, fig. G (p. 28); specific characters cited also in v. 4:167-174. Type-locality: Argentina, Quebrada Látoma. Distr. — Argentina.

APILOSA Aczél, 1956: (v. 5) 51, figs. 45-47, pl. 2, fig. H (p. 28); specific characters cited also in v. 4:167-174. Type-locality: Argentina, Córdoba, Argüello. Distr. — Argentina.

COSTALIMAI Aczél, 1956: (v. 5) 54, figs. 53-56, pl. 3, fig. I (p. 60); specific characters also cited in v. 4:166-173. Type-locality: Brazil, Guanabara, Rio de Janeiro, Corcovado. Distr. — Brazil.

FIBULATA (Enderlein), 1942:113 (*Porpedrum*). Type-locality: Brazil, Santa Catarina, Teresópolis. Distr. — Brazil.

MEHELYI Aczél, 1956: (v. 5) 57, figs. 48-52, pl. 3, fig. J (p. 60); specific characters also cited in v. 4:166-173, fig. A (p. 170). Type-locality: Argentina, Tucumán, San Pedro de Colalao. Distr. — Argentina.

MINUTA Hennig, 1937:209. Type-locality: Argentina, Mendoza. Distr. — Argentina.

NIGRIFRONS Aczél, 1956: (v. 5) 63, figs. 32-36 (p. 45), pl. 3, fig. L (p. 60); specific characters cited also in v. 4:166-174. Type-locality: Argentina, Tucumán, Tafi del Valle. Distr. — Argentina.

PULCHRA Aczél, 1956: (v. 5) 66, figs. 57-60, pl. 4, fig. M (v. 6, p. 8); specific characters cited also in v. 4:167-173. Type-locality: Argentina, Tucumán, Siambon. Distr. — Argentina.

SAHLBERGIANA Frey, 1918:27. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.

UNDULATA Becker, 1919:197. Type-locality: Ecuador, Santo Domingo de los Colorados. Distr. — Ecuador.

Genus LOPADOPS Enderlein

LOPADOPS Enderlein, 1942:103, 111. Type-species, *nigerrimus* Enderlein (orig. des.).

NIGERRIMUS Enderlein, 1942:112. Type-locality: Argentina, Tucumán. Distr. — Argentina.

Genus NEOPYRGOTA Hendel

NEOPYRGOTA Hendel, 1934:144. Type-species, *calcarata* Hendel (orig. des.).

Subgenus NEOPYRGOTA Hendel

CALCARATA Hendel, 1934:144, figs. 1-2. Type-locality: "Paraguay". Distr. — Brazil, Paraguay.

FALCITEREBRA Hennig, 1936:252. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.

unappendix Hennig, 1936:253. Type-locality: Brazil, São Paulo.

uniappendix, lapsus.

Subgenus ALLOPYRGOTA Aczél

Neopyrgota, subg. ALLOPYRGOTA Aczél, 1956: (v. 6) 2, 4. Type-species, *picea* Hennig (orig. des.). Note: The invalid "new genus-new species" combination *Neopyrgota (Allopyrgota) hennigi* n. sp. was made in v. 4:174.

APPENDICULATA Hennig, 1936:252. Type-locality: Brazil, São Paulo, Alto da Serra. Distr. — Brazil, Argentina.

HENNIGI Aczél, 1956: (v. 6) 12, figs. 75-77; pl. 4, fig. P (p. 8); specific characters also cited in v. 4:167-174. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil.

MAJOR Hennig, 1936:251. Type-locality: Costa Rica, San José. Distr. — Costa Rica.

PICEA Hennig, 1936:250. Type-locality: Costa Rica, 8 km west of San José, Farm La Caja. Distr. — Costa Rica.

Genus PYRGOTA Wiedemann

PYRGOTA Wiedemann, 1820:580. Type-species, *undata* Wiedemann (mon.). BLONA Aczél, 1956: (v. 5) 18, figs. 11-15, pl. 1, fig. C (p. 7); specific characters also cited in v. 4:166-173. Type-locality: Argentina, Salta, Agua Blanca, Orán. Distr. — Argentina.

LONGIPES Hendel, 1908a:145. Type-locality: Brazil, Rio Grande do Sul. Distr. — Guatemala, Brazil.

LUGENS Wulp, 1898:378, pl. 10, figs. 1, 1a. Type-locality: Guatemala, Vera Paz, Panima. Distr. — Guatemala.

Genus STENOPYRGOTA Malloch

STENOPYRGOTA Malloch, 1929:259. Type-species, *mexicana* Malloch (orig. des.).

CRASSITIBIA Aczél, 1956: (v. 5) 26, figs. 21-27, pl. 2, fig. E (p. 28); specific characters also cited in v. 4:167-173. Type-locality: Argentina, Tucumán, Cerro de San Javier. Distr. — Argentina.

MEXICANA Malloch, 1929:260. Type-locality: Mexico, Chihuahua, Sierra Madre, Río Piedras Verdes, 7300 feet. Distr. — Mexico.

Genus STIROTHRINAX Enderlein

STIROTHRINAX Enderlein, 1942:110, 162. Type-species, *cribratus* Enderlein (orig. des.).

- CRIBRATUS Enderlein, 1942:110. Type-locality: Mexico, San Luis Potosí, Rascon (as Rascion). Distr. — Mexico.
 KNUDSENI Mayer, 1953:221. Type-locality: "Costa Rica". Distr. — Costa Rica.

Genus TROPIDOTHRINAX Enderlein

- TROPIDOTHRINAX Enderlein, 1942:105, 115. Type-species, *boliviensis* Enderlein (orig. des.).
 BOLIVIENSIS Enderlein, 1942:116. Type-locality: Bolivia, Sara. Distr. — Bolivia.

Tribe TERETRURINI

Genus PYRGOTOSOMA Malloch

- PYRGOTOSOMA Malloch, 1933:252. Type-species, *flavidum* Malloch (orig. des.).
 FLAVIDUM Malloch, 1933:253, figs. 52-53. Type-locality: Argentina, Bariloche. Distr. — Argentina (Bariloche, Lago Nahuel Huapi, Lago Gutiérrez), Chile (Angol).

Genus TERETRURA Bigot

- TERETRURA Bigot, 1885: clxv. Type-species, *flaveola* Bigot (mon.).
 FLAVEOLA Bigot, 1885: clxv. Type-locality: "Chile". Distr. — Chile.
 SHANNONI Malloch, 1933:250. Type-locality: Chile. Puerto Blest. Distr. — Chile.
 TINCTIPENNIS Malloch, 1933:251. Type-locality: Chile, Casa Pangue. Distr. — Argentina (Bariloche), Chile.

UNRECOGNIZED TAXA

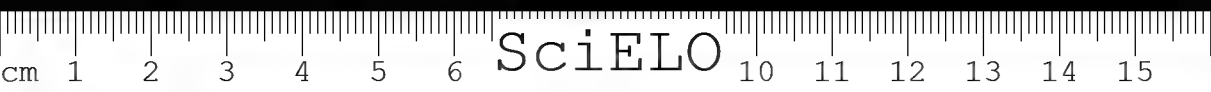
Genus CTENOSTYLUM Macquart

- CTENOSTYLUM Macquart, 1851:140 (separate, p. 167). Type-species, *rufum* Macquart (mon.).
 RUFUM Macquart, 1851:141 (separate, p. 168), pl. 25, fig. 1. Type-locality: Brazil, "banks of Amazon River". It is very likely that this is the male of an unrecovered species of Lochmostyliinae, but there are disturbing discrepancies in the description. If it is indeed eventually found to be a Lochmostyliine, it will likely preoccupy one of the presently recognized genera, and the family Ctenostylidae, erected by Bigot in 1882: 21, will become the prior name for the subfamily. Ref. — Lopes, 1935:250.

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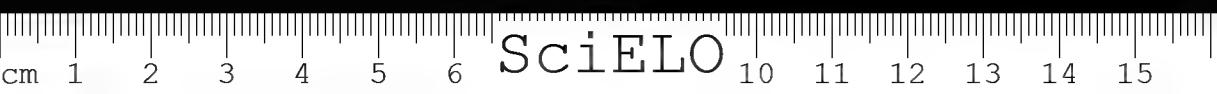
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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

57

FAMILY TEPHRITIDAE

(TRYPETIDAE, TRUPANEIDAE)

RICHARD H. FOOTE

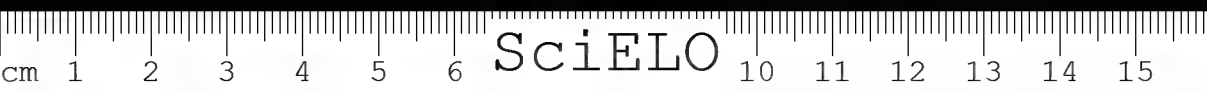
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Of the more than 100 families of Diptera, the Tephritidae, or fruit flies, cause by far the most economic damage to plants. The larvae of the species of greatest concern to man develop in the flesh of fruits and are responsible for tremendous economic losses in commercial plantings the world around.

As far as is known, all the Neotropical Tephritidae deposit their eggs directly into living, healthy plant tissues. The larvae complete their development while feeding in healthy fruits or in developing ovaries and seeds of flowers (especially of composites), or while mining the stems and sometimes forming galls in the stems and roots. Pupation sometimes takes place within the plant tissue, but usually the larvae leave the plant to pupate just under the ground surface. We remain completely ignorant of the behavior and biological requirements of all but a handful of the economically important species; indeed, the host plants of more than three-fourths of the Neotropical tephritids have yet to be discovered.

The poverty of our knowledge about the systematics of this family as it occurs south of the United States nearly parallels the poverty of our knowledge of its biology. Until the turn of the century, the family was known only by a few isolated descriptions of species; most of them were placed in genera then in use in Europe. In 1900, Wulp attempted a taxonomic review of the known Mexican species — the first important revisionary work to appear. However, Hendel's (1914b) review of the Neotropical species comprises what is considered to be the true beginnings of taxonomy of the family in this geographic region. Between 1935 and 1958, Martin Hering described many Neotropical species and built the beginnings of our understanding of higher categories. It was primarily on this base that Aczél (1949a) compiled first his comprehensive catalog and from then until his untimely death a series of papers that examined critically the status of the known forms at all taxonomic levels. One of

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the most significant works to appear was the revision of the genus *Anastrepha* by Alan Stone (1942a). This magnificent publication not only made possible for the first time the critical identification of adults in this all-important genus but also demonstrated the large gaps which he filled, and at the same time pointed, and still points, to the great amount of information yet to be gained about the remaining 80 or so Neotropical genera.

The present catalog can be said to summarize our present taxonomic information, therefore, at only the species level as it appears in the literature through 1966. It includes 818 specific and 117 generic names, of which 680 and 82, respectively, are regarded at the present time to be valid names of Neotropical Tephritidae. To validly assign many species to genera, especially those in the Tephritinae, and to discover a sensible generic phylogeny and suprageneric classification, we must carefully consider the genera and their parameters in all other geographic regions of the world, a task calling for the cooperation of tephritid taxonomists everywhere. Hence, the genera in this work are arranged alphabetically, with the species arranged in like manner within each genus.

Despite the shortcomings of our taxonomic knowledge, I offer a tentative arrangement of genera in subfamilies and tribes. The higher categories are approximately as represented by Hering (1947b) as modified by Aczél during the course of the latter's work among various Neotropical genera. A few of my own conclusions are incorporated in this synopsis, but I must remind the reader that the listings are highly tentative and are presented for the purpose of helping the user to group closely related genera rather than to define a suprageneric classification. The number in parentheses following each generic name represents the number of valid species presented in this catalog.

Subfamily DACINAE

Pseudophorellia (2)
Toxotrypana (7)

Subfamily SCHISTOPTERINAE

Neorhabdochaeta (1)

Subfamily UROPHORINAE

Neoacanthoneura (1)
Urophora (16)

Subfamily OEDASPINAE

Tribe CERATITINI

Ceratitis (1)

Tribe OEDASPINI

Cecidocharella (2)
Cecidocharaes (11)
Ceratitoedaspis (7)
Dracontomyia (2)
Neorhagoletis (1)
Procecidocharaes (5)

Subfamily TRYPETINAE

Tribe ACANTHONEURINI

Blepharoneura (13)
Ceratodacus (1)

Hexachaeta (25)
Hexaresta (1)
Neohexachaeta (1)

Tribe GASTROZONINI

Molynocoelia (1)

Tribe TRYPETINI

Group I (see Aczél, 1954a:71)

Anastrepha (150)
Cryptodacus (3)
Lucumaphila (12)
Phobema (1)
Pseudodacus (4)

Group II (see Aczél, 1951b:254)

Cryptoplagia (1)
Epochrinopsis (2)
Gerrhoceras (1)
Haywardina (1)
Hetschkomyia (1)
Oedicarena (1)
Parastenopa (6)
Polionota (4)
Pyrgotoides (1)
Rhagoletis (15)
Rhagoletoides (1)
Rhagoletotrypeta (4)
Stoneola (1)
Tomoplagia (45)
Tomoplagiodes (1)
Trypeta (3)
Zonosemata (4)

Subfamily TEPHRITINAE

Tribe DITRICHINI

Acrotaenia (9)
Acrotaeniacantha (1)
Cryptotreta (1)
Dictyotrypeta (1)
Eutreta (12)
Ictericodes (5)
Ischryropteron (1)
Paracantha (9)
Polymorphomyia (3)
Pseudentreta (10)
Rhachiptera (4)
Strobelia (7)

Tribe TEPHRITINI

Group I (see Aczél, 1953a:147)

Aciurina (1)
Celidosphenella (2)
Chrysaciura (1)
Lilloaciura (1)
Pseudoedaspis (3)
Pseudopolionota (1)
Rhithrum (2)
Xanthaciura (15)

Group II (see Aczél, 1953a:104)

Acinta (9)
Dioxyna (6)
Dyseuaresta (9)
Euaresta (6)
Euarestoides (4)
Lamproxyna (2)
Lamproxynella (6)
Melanotrypana (1)
Neotephritis (9)
Paroxyna (22)
Plaumannimyia (4)
Protensina (3)
Tephritis (11)
Tetreuaresta (17)
Trupanea (58)
Trypanaresta (8)

Unplaced Tephritini (20)

Unplaced genera

Baryplegma (2)
Euarestopsis (1)
Hamouchaeta (1)
Homeothrix (1)
Ostracocoelia (1)
Pseudacrotaenia (10)

Unplaced species of Tephritidae (26)

Genus ACINIA Robineau-Desvoidy

ACINIA Robineau-Desvoidy, 1830:775. Type-species, *jaceae* Robineau-Desvoidy (Rondani, 1871:4) = *corniculata* (Zetterstedt).

Ref. — Aczél, 1958 (rev.).

AURATA Aczél, 1958:85, figs. 1-10, pl. 1, A (head, palpus, antenna, ♀ abdomen, ♂ genitalia, ovipositor, wing). Type-locality: Argentina. Formosa, Pirané. Distr. — Argentina (Formosa, Salta, Santa Fe, Tucumán, Jujuy).

- FUCATA (Fabricius), 1794:359 (*Musca*). Type-locality: "Americae meridionalis insulae". Distr. — Argentina (Mendoza, Salta), Chile (Quilpic, Marga-Marga). Ref. — Aczél, 1958:90, figs. 22-27, pl. 1, B (head, male genitalia, ♀ abdomen, ovipositor, wing).
- tessariae* Kieffer & Jörgenson, 1910:439, fig. 60 (wing) (*Urophora*). Type-locality: Argentina, Mendoza, Chacras de Coria, Pedregal, La Paz.
- HENDELI Aczél, 1958:92, pl. 1, C (wing). Type-locality: Chile, Río Aconcagua. Distr. — Chile (Río Aconcagua).
- fucata* Fabricius of Hendel, 1914b: pl. 3, fig. 56 (wing).
- ICA Hering, 1941a:151, pl. 1, fig. 3 (wing). Type-locality: Peru, Ica. Distr. — Peru (Ica).
- MALLOCHI Aczél, 1958:93, figs. 11-15, pl. 1, D (head, ♀ abdomen, ovipositor, wing). Type-locality: Argentina, Mendoza, Chacheuta. Distr. — Argentina (Mendoza), Chile (Santiago, La Malta, Arica, Parca, Parapasá, Iquique).
- fucata* Fabricius of Malloch, 1933:277.
- fucata* Fabricius of Stuardo, 1946:137.
- OBSCURA Aczél, 1958:97, fig. 16, pl. 2, F (head, wing). Type-locality: Argentina, Entre Rios, La Paz, on an island of the Paraná R. Distr. — Argentina (Salta, Entre Rios).
- PERUANA Aczél, 1958:98, figs. 17-19, pl. 2, F (head, ♀ abdomen, wing). Type-locality: Peru, Moqueque, Estuguina Valley. Distr. — Peru (Moqueque).
- PICTURATA (Snow), 1894:173 (*Tephritis*). Type-locality: U.S.A., Florida. Distr. — U.S.A., Mexico to Guatemala, West Indies, Bahamas Is., introduced to and established in Hawaii to control *Eupatorium*. Refs. — Aczél, 1958:101, figs. 7-10, pl. 2, G (head, palpus, ♀ abdomen, wing); Foote, 1964a:84.
- maculipennis* Cole, 1923:473, fig. 11 (wing) (*Baryplegma*). Type-locality: Gulf of California, Cerralbo I.
- fucata*, North American authors, not Fabricius.
- RETICULATA Aczél, 1958:103, figs. 20, 21, pl. 2, H (head, ♀ abdomen, wing). Type-locality: Peru, Río Lurín, vicinity of Lima. Distr. — Peru (Lima).

Genus ACIURINA Curran

- ACIURINA Curran, 1932:9. Type-species, *trixa* Curran (orig. des.).
Aciura, authors (part).
Tephrella, authors.
- MEXICANA (Aczél), 1953a:194, figs. 58, 59, pl. 8, Y (head, ♂ genitalia, wing) (*Tephrella*). Type-locality: Mexico, Nogales. Distr. — Mexico (Nogales).

Genus ACROTAENIA Loew

- ACROTAENIA Loew, 1873:274. Type-species, *Trypeta testudinea* Loew (orig. des.).
- IMOX Bates, 1934:11, fig. 2 (wing). Type-locality: Costa Rica, Higuito, San Mateo. Distr. — Panama (Patilla Point and Ancon, Canal Zone), Costa Rica, Trinidad (San Fernandez).

- LATIPENNIS (Wiedemann), 1830:496 (*Trypeta*). Type-locality: "Brazil".
Distr. — Brazil (Bahia). Ref. — Foote, 1964b:318.
- argus* Walker, 1849:1033 (*Trypeta*). Type-locality: Brazil, Bahia.
- OTOPAPPI Doane, 1899:183, pl. 3, fig. 8 (wing). Type-locality: "Mexico".
Distr. — Mexico. Ref. — Foote, 1966a:124.
- PERTINAX Bates, 1934:12, fig. 3 (wing). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil (Mato Grosso).
- PLAUMANNI Hering, 1938a:188, fig. 2 (wing). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- SPADIX Bates, 1934:10, fig. 1 (wing). Type-locality: Dominican Republic, Haiti. Distr. — Cuba, Haiti, Dominican Republic.
- testudinea* Loew of Bates, 1933a:164.
- TARSATA Wulp, 1899:414, pl. 12, fig. 10 (wing). Type-locality: Mexico, Guerrero, Amula. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:242.
- TESTUDINEA (Loew), 1873:272, pl. 2, fig. 13 (wing) (*Trypeta*). Type-locality: "Cuba". Distr. — U.S.A., Cuba, Puerto Rico, Dominican Republic. Ref. — Foote, 1960d:107, fig. 1 (wing).
- TRISIGNATA Foote, 1960b:87, fig. 1 (wing). Type-locality: Bahamas Is., Andros I., Fresh Creek. Distr. — Bahamas Is. (Andros I.).

Genus ACROTAENIACANTHA Hering

- ACROTAENIACANTHA Hering, 1939:188. Type-species, *radiosa* Hering (orig. des.).
- RADIOSA Hering, 1939:189, fig. 25 (wing). Type-locality: "Venezuela".
Distr. — Venezuela.

Genus ANASTREPHA Schiner

- ANASTREPHA Schiner, 1868:263. Type-species, *Dacus serpentinus* Wiedemann (orig. des.).
- Acrotoxa* Loew, 1873:227. Type-species, *Dacus fraterculus* Wiedemann (Bezzi, 1909:280).
- Instrypeta* Herrera, Rangel & Barreda, 1900:5. *Nomen nudum*.

The work of Stone (1942a) mentioned in the introduction to this catalog is responsible for our knowledge of so many species. The genus, along with *Ceratitis*, is the most destructive of all the Neotropical genera to commercial plantings, especially of citrus.

Refs. — Greene, 1934 (revision); Stone, 1942a (revision); Baker et al., 1944 (biology, Mexican species).

- ACRIS Stone, 1942a:77, fig. 15, B, pl. 15, D (ovipositor, wing). Type-locality: Panama, Canal Zone, Balboa. Distr. — Panama (Canal Zone, El Cermeño), Venezuela.
- ACZELI Blanchard, 1961:305, figs. 13a-b (wing, ovipositor). Type-locality: Argentina, Tucumán. Distr. — Argentina (Tucumán).
- ALVEATA Stone, 1942a:72, fig. 14, A, pl. 14, D (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (Balboa, Canal

- Zone; El Cermeño, La Campana), Venezuela (El Valle), Argentina (La Rioja). Ref. — Blanchard, 1961:324, figs. 28a-b (wing, ovipositor).
- ALVEATOIDES Blanchard, 1961:322, figs. 27a-b (wing, ovipositor). Type-locality: Argentina, Córdoba. Distr. — Argentina (Córdoba).
- AMNIS Stone, 1942a:88. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil (Rio de Janeiro, Itatiaia).
consobrina Loew of Lima, 1934a:532 (part).
- ANDUZEI Stone, 1942b:302, figs. 2, 12 (ovipositor, wing). Type-locality: Venezuela, Carabobo, San Esteban. Distr. — Venezuela (Carabobo).
- ANOMALA Stone, 1942a:29, fig. 2, D, pl. 3, A (ovipositor, wing). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (El Cermeño, Barro Colorado I.).
- ANTUNESI Lima, 1938:63, text-fig. 22, pl. 5, fig. 3, pl. 6, fig. 2 (wing, ovipositor). Type-locality: Brazil, Bahia, Pirajá. Distr. — Panama (Balboa, Canal Zone; El Cermeño; La Campana), Trinidad, Venezuela, Brazil. Ref. — Stone, 1942a:73, fig. 14, C, pl. 15, B (ovipositor, wing).
- APHELOCENTEMA Stone, 1942a:51, fig. 8, C, pl. 9, B (ovipositor, wing). Type-locality: Mexico, San Luis Potosí, Tamazunchale. Distr. — Mexico (San Luis Potosí).
- ATRIGONA Hendel, 1914b:15, 20, pl. 1, fig. 8 (wing). Type-locality: "Surinam". Distr. — Venezuela (El Valle, D. F.), Surinam, Brazil (five localities along Amazon River). Ref. — Stone, 1942a:21, fig. 1, C, pl. 1, B (ovipositor, wing).
- BAHIENSIS Lima, 1937:60, text-figs. 10, 11, pl. 3, fig. 6, pl. 4, fig. 5 (wing, ovipositor, ♂ genitalia) (as *silvae* var.). Type-locality: Brazil, Bahia. Distr. — Panama (Barro Colorado I., Canal Zone; El Cermeño; La Campana), Brazil. Ref. — Stone, 1942a:107, fig. 22, C, pl. 23, A (ovipositor, wing).
- BALLOUI Stone, 1942a:20, fig. 1, A, B, pl. 1, A (ovipositor, wing). Type-locality: Venezuela, San Juan de los Morros. Distr. — Panama (El Cermeño), Venezuela (Maracay).
- BARBIELLINI Lima, 1938:61, text-fig. 21, pl. 5, fig. 2 (wing, ovipositor). Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo, Santa Catarina), Argentina (Misiones, Corrientes). Ref. — Stone, 1942a:108, fig. 22, D, pl. 23, B (ovipositor, wing).
bosqui Blanchard, 1961:331. *Nomen nudum*.
- BARNESI Aldrich, 1925:3. Type-locality: Guatemala, Cayuga. Distr. — Guatemala (Cayuga), Panama (Barro Colorado I., Canal Zone; El Cermeño; La Campana), British Guiana (Moraballi Creek, Esse-quiibo River), ?Venezuela, Brazil (Guanabara). Ref. — Stone, 1942a:52, fig. 8, D, pl. 9, C (ovipositor, wing).
virescens Lima, 1937:63, pl. 3, fig. 5, pl. 4, fig. 1 (wing, ovipositor). Type-locality: Brazil, Guanabara, Rio de Janeiro.
- BENJAMINI Lima, 1938:16, figs. 2, 6-9 (ovipositor, ♂ genitalia, wing). Type-locality: Brazil, Bahia, Água Preta. Ref. — Stone, 1942a:34, fig. 4, B, pl. 4, C (ovipositor, wing).

- BEZZI Lima, 1934a:498, text-fig. 8, pl. 64, fig. 5 (♂ genitalia, wing). Type-locality: Brazil, Guanabara, Rio de Janeiro, Manguinhos. Distr. Brazil (Goiás, Guanabara). Ref. — Stone, 1942a:20.
- BINODOSA Stone, 1942a:57, fig. 10, A, pl. 10, D (ovipositor, wing). Type-locality: Brazil, Pará. Distr. — Brazil (Amazon River valley).
- BISTRIGATA Bezzi, 1919a:372, fig. 1 (wing) [also Bezzi, 1919b:7, fig. 1 (wing)]. Type-locality: Brazil, São Paulo. Distr. — Brazil (Minas Gerais, São Paulo). Ref. — Stone, 1942a:31, fig. 3, B, pl. 3, C (ovipositor, wing).
- BIVITTATA (Macquart), 1843:384 (separate, p. 227), pl. 30, fig. 3 (adult dorsum) (*Urophora*). Type-locality: Unknown (?Brazil). Ref. — Stone, 1942a:22.
- BONDARI Lima, 1934a:537, text-figs. 37, 38, pl. 70, fig. 36, pl. 75, fig. 60 (wing, ovipositor, ♂ genitalia). Type-locality: Brazil, Bahia. Distr. — Brazil (Bahia). Ref. — Stone, 1942a:98, fig. 19, D, pl. 20, D (ovipositor, wing).
- BORGMEIERI Lima, 1934a:518, text-fig. 21, pl. 67, fig. 19 (wing, ♂ genitalia). Type-locality: Brazil, Guanabara, Rio de Janeiro. Distr. — Brazil (Guanabara). Ref. — Stone, 1942a:55.
- BUSCKI Stone, 1942a:92, fig. 18, D, pl. 19, B (ovipositor, wing). Type-locality: Panama, Canal Zone, Tabernilla. Distr. — Panama (Canal Zone, Balboa; El Cermeño; La Campana).
- CANALIS Stone, 1942a:71, fig. 14, B, pl. 15, A (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (Canal Zone, Barro Colorado I; La Campana), Venezuela (San Esteban).
- CAUDATA Stone, 1942a:85, fig. 17, A (ovipositor). Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo).
- CHICLAYAE Greene, 1934:167, pl. 23, fig. 3 (wing). Type-locality: Peru, Chiclayo, Hacienda Ouefe. Distr. — U.S.A. (Texas), Mexico (Tamaulipas, Morelos), Panama, Venezuela (El Valle, D.F.), Peru (Chiclayo), Argentina (Jujuy, Salta). Ref. — Stone, 1942a:41, fig. 5, D, pl. 6, C (ovipositor, wing).
- chiclayae* Lima, 1937:47 (error).
- COMPRESSA Stone, 1942a:70, fig. 13, D, E, pl. 14, C (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (El Cermeño; La Campana; Canal Zone, Balboa).
- CONCAVA Greene, 1934:169, pl. 23, fig. 5 (wing). Type-locality: Panama, Canal Zone, Cano Saddle. Distr. — Panama (Canal Zone), Brazil (Amazon River valley). Ref. — Stone, 1942a:93, fig. 18, E, pl. 19, C (ovipositor, wing).
- CONJUNCTA Hendel, 1914b:17. Type-locality: Bolivia, Mapiri. Distr. — Bolivia (Mapiri). Ref. — Stone, 1942a:93.
- CONNEXA Lima, 1934a:530, text-fig. 28, pl. 19, fig. 29 (wing, ♂ genitalia). Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo). Ref. — Stone, 1942a:94.
- CONSOBRINA (Loew), 1873:230, pl. 11, fig. 21 (wing) (*Trypeta*). Type-locality: "Brazil". Distr. — British Guiana, Argentina (Salta, Aguayray), southern Brazil. Refs. — Stone, 1942a:87, fig. 17, D, pl. 18, B (ovipositor, wing); Blanchard, 1961:327, figs. 31a-b (wing, ovipositor).

- zikani* Lima, 1934a:533, pl. 69, fig. 31, pl. 74, fig. 55, text-figs. 30, 31 (wing, ovipositor, ♂ genitalia). Type-locality: Brazil, Rio de Janeiro, Estrêla.
- CONVOLUTA Stone, 1942a:38, fig. 5, A, pl. 5, D (ovipositor, wing). Type-locality: Trinidad, Arima, Verdant Vale. Distr. — Trinidad (Arima, Mt. Harris), British Guiana (Morabelli Creek, Essequibo River; Kartabo, Bartica District; Issororo, North West District), ?Venezuela.
- CORDATA Aldrich, 1925:4. Type-locality: British Honduras, Belize. Distr. — British Honduras (Belize), Panama (La Campana, El Cermño), Venezuela. Ref. — Stone, 1942a: 35, fig. 4, D, pl. 4, D (ovipositor, wing).
- CORRENTINA Blanchard, 1961:339, fig. 40 (ovipositor). Type-locality: Argentina, Corrientes, Bella Vista. Distr. — Argentina (Corrientes).
- COSTALIMAI Autuori, 1936:194, figs. 1-3 (adult dorsum, ovipositor, wing). Type-locality: Brazil, São Paulo, Santo Amaro, Campo Belo. Distr. — Brazil (São Paulo). Ref. — Stone, 1942a:51.
- COSTARUCKMANII Capoor, 1954:214, figs. 1-3 (wing, ovipositor). Type-locality: Brazil, Minas Gerais, Itajubá. Distr. — Brazil (Minas Gerais).
- CREBRA Stone, 1942a:45, fig. 7, A, pl. 7, D (ovipositor, wing). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Honduras (Ceiba), Panama (various localities).
- obliqua* Macquart of Greene, 1934:163.
- CRUZI Lima, 1934a:513, pl. 66, fig. 19 (wing). Type-locality: Brazil, "Amazon River". Distr. — Brazil (Amazon River). Ref. — Stone, 1942a:40.
- CRYPTOSTREPHA Hendel, 1914b:17, pl. 1, fig. 5 (wing). Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru (Meshagua). Ref. — Stone, 1942a:101, pl. 20, B (ovipositor).
- CURITIS Stone, 1942a:32, fig. 3, D, pl. 4, A (ovipositor, wing). Type-locality: Brazil, Pará. Distr. — Brazil (Pará).
- DANGELOI Blanchard, 1961:304, fig. 12 (wing) (as *d'angeloi*). Type-locality: Argentina, Corrientes. Distr. — Argentina (Corrientes).
- DEBILIS Stone, 1942a:47, fig. 7, D, pl. 8, B (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (La Campana, El Cermño).
- DISCESSA Stone, 1942a:34, fig. 4, C (ovipositor). Type-locality: Brazil, Guanabara, Campo Grande. Distr. — Brazil (Guanabara).
- DISSIMILIS Stone, 1942a:40, fig. 5, C, pl. 6, B (ovipositor, wing). Type-locality: Haiti, near Plaisance. Distr. — Haiti, British Guiana (Tumatumari), ?Peru, Argentina (eight provinces), Brazil (Pernambuco). Ref. — Blanchard, 1961:340, figs. 41a-b (ovipositor, wing).
- DISTANS Hendel, 1914b:17, pl. 1, fig. 4 (wing). Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru (Meshagua). Ref. — Stone, 1942a:81.
- DISTINCTA Greene, 1934:149, pl. 20, fig. 2 (wing). Type-locality: Peru, Chiclayo. Distr. — U.S.A. (Texas), Mexico, south to Peru and Brazil (Minas Gerais, Guanabara, São Paulo). Ref. — Stone, 1942a:106, fig. 22, B, pl. 22, D (ovipositor, wing).
- silvai* Lima, 1934a:545, text-figs. 49, 50, pl. 72, figs. 44, 45, pl. 75, fig. 65 (wing, ovipositor, ♂ genitalia). Type-locality: Brazil, Guana-

- bara, Rio de Janeiro; Minas Gerais, Viçosa; São Paulo.
fraterculus, authors (part).
- var. *MINENSIS* Lima, 1937:60, text-fig. 12, pl. 3, fig. 2, pl. 4, fig. 2 (wing, ovipositor) (as *silvai* var.). Type-locality: Brazil, Minas Gerais, Viçosa. Ref. — Stone, 1942a:107.
- DCRYPHOROS* Stone, 1942b:299, figs. 7, 14 (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (El Cermeño).
- DRYAS* Stone, 1942b:303, figs. 3, 11 (ovipositor, wing). Type-locality: Venezuela, Carabobo, San Esteban. Distr. — Venezuela (Carabobo).
- DUCKEI* Lima, 1934a:534, text-figs. 32, 33, pl. 69, fig. 32, pl. 75, fig. 59 (wing, ovipositor, ♂ genitalia). Type-locality: Brazil, Amazonas, Manaus. Distr. — Brazil (Amazonas). Ref. — Stone, 1942a:86, fig. 17, B, pl. 18, A (ovipositor, wing).
- EDENTATA* Stone, 1942a:48, fig. 7, E, pl. 8, C (ovipositor, wing). Type-locality: U.S.A., Florida, Key Largo. Distr. — U.S.A. (Florida), Puerto Rico (Mayaguez).
- ELEGANS* Blanchard, 1937:37, fig. 2 (wing, antenna, ovipositor). Type-locality: Argentina, Corrientes, Jaguarete. Distr. — Paraguay (San Bernardino), Argentina (Misiones, Corrientes, Entre Rios), Brazil (São Paulo, Santa Catarina, Rio Grande do Sul). Ref. — Stone, 1942a:42, fig. 6, A, pl. 6, D (ovipositor, wing).
- parallela* Wiedemann of Greene. 1934:168.
- ELONGATA* Yepez, 1953:27. Type-locality: Venezuela, Aragua, Rancho Grande. Distr. — Venezuela (Aragua).
- ETHALEA* (Walker), 1849:1015 (*Trypeta*). Type-locality: Brazil, Pará. Distr. — Trinidad, Brazil, ?Argentina. Ref. — Stone, 1942a:66, fig. 13, A, pl. 13, D (ovipositor, wing).
- EXTENSA* Stone, 1942a:104, fig. 21, D (ovipositor). Type-locality: Brazil, Guanabara, Rio de Janeiro. Distr. — Brazil (Guanabara).
- FENESTRATA* Lutz & Lima, 1918:8, pl. 2, fig. 19 (wing). Type-locality: Brazil, "Amazonia". Distr. — Brazil ("Amazonia"). Ref. — Stone, 1942a:100.
- FISCHERI* Lima, 1934a:540, text-fig. 41, pl. 71, fig. 39, pl. 76, fig. 59 (wing, ovipositor). Type-locality: Brazil, Rio de Janeiro, Niterói. Distr. — Brazil (Rio de Janeiro). Ref. — Stone, 1942a:77.
- FLAVIPENNIS* Greene, 1934:160, pl. 22, fig. 6 (wing). Type-locality: Brazil, Pará, Rio Tapajós, Boa Vista. Distr. — Panama (Canal Zone, Barro Colorado I.; La Campana; El Cermeño; Capiro, La Chorrera), Brazil (Pará), Argentina (Santa Fe). Ref. — Stone, 1942a:89, fig. 18, A, pl. 18, C (ovipositor, wing).
- grioti* Blanchard, 1961:313. *Nomen nudum*.
- FLAVISSIMA* Hering, 1940b:56, fig. 5 (wing). Type-locality: Peru, middle Huallaga River, Juanjui. Distr. — Peru (Juanjui).
- FRACTURA* Stone, 1942a:95, fig. 18, F (ovipositor tip). Type-locality: British Guiana, Kutari Sources. Distr. — British Guiana (Kutari Sources).
- FRATERCULUS* (Wiedemann), 1830:524 (*Dacus*). Type-locality: "Brazil". Distr. — Continental America from the Rio Grande valley of Texas to Chile and Argentina (throughout), Trinidad, Tobago, British Guiana. Refs. — Emmart, 1933:184, pls. 7, 8 (eggs); Stone, 1942a:78, fig. 15, D, pl. 6, B-D (ovipositor, wings); Blanchard, 1961:317, figs. 24a-b (wing, ovipositor).

- mellea* Walker, 1837:358 (*Tephritis*). Type-locality: Brazil, São Paulo.
 Ref. — Stone, 1942a:79; Foote, 1964b:322.
- unicolor* Loew, 1862b:70, pl. 2, fig. 6 (wing) (*Trypeta*). Type-locality: "Colombia" (New Grenada).
- frutalis* Weyenbergh, 1874:165, figs. 7-3 (adult, larva) (*Anthomyia*).
 Type-locality: "Argentina".
- soluta* Bezzi, 1909:284 (as *fraterculus* var.). Type-locality: Brazil, São Paulo.
- peruviana* Townsend, 1913:34. Type-locality: Peru, Chosica.
- peruana*, error.
- brasilensis* Greene, 1934:154, pl. 20, fig. 6 (wing). Type-locality: Brazil, Minas Gerais, Viçosa.
- distans* Hendel of Greene, 1934:149, pl. 20, fig. 7 (wing).
- distincta* Greene (part), 1934:149.
- trinidadensis* Greene (part), 1934:161.
- suspensa* Loew of Lima, 1934a:501, pl. 66, figs. 14, 15 (wing).
- var. *ACIDUSIFORMIS* Blanchard, 1961:320. Type-locality: unknown.
- var. *ETHALEIFORME* Blanchard, 1961:320. Type-locality: unknown.
- var. *INTENSA* Blanchard, 1961:319. Type-locality: unknown.
- var. *INTERMISSA* Blanchard, 1961:319. Type-locality: unknown.
- var. *PERUVIANA* Blanchard, 1961:320. Type-locality: unknown (?Peru).
- var. *RETRACTA* Blanchard, 1961:319. Type-locality: unknown.
- var. *SUBTYPICA* Blanchard, 1961:320 (as *subtipica*). Type-locality: unknown.
- var. *TYPICA* Blanchard, 1961:319 (as *tipica*). Type-locality: unknown.
- FUMIPENNIS** Lima, 1934a:499, text-fig. 6, pl. 65, fig. 10, pl. 75, fig. 62 (ovipositor, wing). Type-locality: Brazil, Guanabara, Rio de Janeiro, Mangueiros. Distr. — Brazil (Guanabara). Ref. — Stone, 1942a: 90.
- FURCATA** Lima, 1934a:529, text-fig. 27, pl. 68, fig. 28 (wing, ♂ genitalia). Type-locality: Brazil, Amazonas, Manaus, Rio Negro. Distr. — Panama (El Cermeño), Brazil (Amazonas). Ref. — Stone, 1942a: 91.
- GALBINA** Stone, 1942a:96, fig. 19, B, pl. 20, B (ovipositor tip, wing). Type-locality: Panama, La Campana. Distr. — Panama (La Campana, El Cermeño).
- GIGANTEA** Stone, 1942b:299, figs. 4, 8 (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (El Cermeño).
- GOLDBACHI** Blanchard, 1961:301, figs. 10a-b (wing, ovipositor). Type-locality: Argentina, Tucumán, Burruyacu. Distr. — Argentina (Tucumán).
- GRANDIS** (Macquart), 1846:340 (separate, p. 212), pl. 18, fig. 14 (adult dorsum) (*Tephritis*). Type-locality: "Colombia" (New Grenada). Distr. — Panama, Colombia, Venezuela, Paraguay, Bolivia, Argentina, Brazil. Refs. — Fischer, 1932:302, figs. 1-10 (details of larva, pupa, adult); Fischer, 1934:17, figs. 1-8 (frontal bristles); Stone, 1942a:22, fig. 1, D, pl. 1, C (ovipositor, wing).
- schineri* Hendel, 1914b:19. Type-locality: Bolivia, Coroico.
- latifasciata* Hering, 1935:227, fig. 2 (wing). Type-locality: Brazil, Santa Catarina.
- GREENEI** Lima, 1937:37, text-figs. 3-4, pl. 1, fig. 7, pl. 2, fig. 2 (wing, ovipositor, ♂ genitalia). Type-locality: Brazil, Bahia. Distr. — Brazil (Bahia). Ref. — Stone, 1942a:52.

- GUIANAE Stone, 1942b:303, figs. 6, 13 (ovipositor, wing). Type-locality: British Guiana, Bartica, Kartabo. Distr. — British Guiana (Kartabo), Venezuela (Carabobo).
- HAETATA Stone, 1942a:55, fig. 9, B (ovipositor). Type-locality: "Amazon". Distr. — "Amazon".
- HAYWARDI Blanchard, 1937:39, fig. 3 (wing, antenna, ovipositor). Type-locality: Argentina, Entre Rios, Concordia. Distr. — Argentina (Corrientes, Misiones, Entre Rios). Ref. — Stone, 1942a:39.
- HENDELIANA Lima, 1934a:528, text-figs. 25-26, pl. 68, fig. 27 (wing, ♂ genitalia). Type-locality: Brazil, Amazonas, Uaupés (= São Gabriel), Rio Negro. Distr. — Brazil (Amazonas). Ref. — Stone, 1942a:85.
- INCA Stone, 1942a:101, fig. 20, D, pl. 21, C (ovipositor, wing). Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco).
- INFUSCATA Shaw, 1962:411, pl. 1, B, pl. 2, B (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (La Campana, El Cermeño).
- INSULAE Stone, 1942a:47, fig. 7, C, pl. 8, A (ovipositor, wing). Type-locality: Cuba, Isle of Pines. Distr. — Dominican Republic (Santo Domingo), Cuba.
- INTEGRA (Loew), 1873:230, pl. 11, fig. 23 (wing) (*Trypeta*). Type-locality: "Brazil". Distr. — ?British Guiana, Brazil. Ref. — Stone, 1942a:53.
- IRRADIATA Blanchard, 1961:300, fig. 9 (wing). Type-locality: Argentina, Corrientes, Yaguareta. Distr. — Argentina (Corrientes).
- IRRETITA Stone, 1942a:78, fig. 15, C, pl. 16, A (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (Canal Zone, Balboa, La Campana, Capiro, El Cermeño).
- KUHLMANNI Lima, 1934a:520, text-figs. 21-22, pl. 67, fig. 24, pl. 74, fig. 57 (wing, ovipositor, ♂ genitalia). Type-locality: Brazil, Guanabara, Rio de Janeiro, Rio Trapicheiro. Distr. — Brazil (Guanabara), Argentina (Santa Fe, Loreto, Misiones). Ref. — Stone, 1942a:56, fig. 9, D, pl. 10, B (ovipositor, wing).
- LAMBDA Hendel, 1914b:17, pl. 1, fig. 3 (wing). Type-locality: Peru, Pini-Pini. Distr. — Peru (Pini-Pini). Ref. — Stone, 1942a:109.
- LANCEOLA Stone, 1942a:44, fig. 6, D, pl. 7, B (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (Canal Zone, Balboa, La Campana, El Cermeño).
- LATHANA Stone, 1942a:105, fig. 22, A, pl. 22, C (ovipositor, wing). Type-locality: Mexico, Morelos, Cuernavaca. Distr. — U.S.A. (Texas), Mexico (Morelos).
- LEPTOZONA Hendel, 1914b:19. Type-locality: Bolivia, Mapiri, San Antonio. Distr. — Guatemala to Panama, British Guiana, Venezuela (Rancho Grande, Aragua; El Valle, D.F.), Bolivia, southern Brazil. Ref. — Stone, 1942a:39, fig. 5, B, pl. 6, A (ovipositor, wing).
- LIMAE Stone, 1942a:67, fig. 13, B, pl. 14, A (ovipositor, wing). Type-locality: Panama, Panama City. Distr. — U.S.A. (Texas), Panama (Capiro, Juan Díaz, Panama City, Canal Zone).
- LOEWI Stone, 1942a:49, fig. 8, A, pl. 9, A (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama, Venezuela.
integra Loew of Hendel, 1914b:15 (part).
- LUDENS (Loew), 1873-223, pl. 11, fig. 19 (wing) (*Trypeta*). Type-locality: "Mexico". Distr. — U.S.A. (Texas), Mexico (south from Matamoros, Tamaulipas and Sinaloa), Guatemala, Costa Rica. Refs.

- Emmart, 1933:184, pls. 7-8 (eggs); Emmart, 1935:119, pls. 11-16 (chromosomes); Stone, 1942a: 97, fig. 19, C, pl. 20, C (ovipositor, wing); Baker *et al.*, 1944:2 (biology).
- LUTEA Stone, 1942a:95, fig. 19, A, pl. 20, A (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (El Cermeño).
- LUTZI Lima, 1934a:540, text-fig. 42, pl. 71, fig. 40, pl. 76, fig. 71 (wing, ovipositor). Type-locality: Brazil, Guanabara, Rio de Janeiro, Manguinhos. Distr. — Brazil (Guanabara), Argentina (Tucumán). Refs. — Stone, 1942a:65; Blanchard, 1961:332, figs. 34a-b (wing, ovipositor).
- MACRA Stone, 1942a:108, fig. 22, E, pl. 23, C (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (Canal Zone, El Cermeño, La Campana).
- MANIHOTI Lima, 1934a:543, text-figs. 47-48, pl. 72, fig. 43, pl. 76, fig. 72 (wing, ovipositor, ♂ genitalia) (as *manhioti*; emendation by Stone, 1942a:64). Type-locality: Brazil, Minas Gerais, Viçosa. Distr. — Panama (Pueblo Nuevo), Venezuela, Brazil. Ref. — Stone, 1942a: 64, fig. 12, B, pl. 13, A (ovipositor, wing).
- MBURUCUYAE Blanchard, 1961:325, fig. 29 (wing). Type-locality: Argentina, Santa Fe, Reconquista; Santiago del Estero. Distr. — Argentina (Santa Fe, Santiago del Estero).
- MINUTA Stone, 1942a:46, fig. 7, B, pl. 7, E (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (Canal Zone, Balboa; La Campana).
- MOMBINPRAEOPTANS Sein, 1933:187, pl. 10, figs. 1, 4, 6, 8, pl. 11, figs. 9, 10, 14-17, 19-27, pl. 12, figs. 32-37, 40, 41, pl. 13, figs. 43-51, pl. 14, figs. 52-56 (details of egg, larva, pupa, adult) (as *fraterculus* var.). Type-locality: Puerto Rico, Río Piedras. Distr. — U.S.A. (southern Florida, southern Texas), throughout Antilles to Trinidad, Mexico to Panama, Ecuador, Venezuela, Brazil. Ref. — Stone, 1942a:68, fig. 13, C, pl. 14, B (ovipositor, wing).
- ethalea* Walker of Greene, 1934:161.
- trinidadensis* Greene, 1934:161, pl. 22, fig. 2 (wing). Type-locality: Trinidad, Tabaquite.
- ligata* Lima, 1934a:552, text-fig. 54, pl. 73, fig. 52, pl. 76, fig. 75 (wing, ovipositor) (as *fraterculus* var.). Type-locality: Brazil, Guanabara, Rio de Janeiro.
- acidusa*, authors, not Walker.
- MONTEI Lima, 1934a:541, text-figs. 43-44, pl. 72, fig. 41, pl. 76, fig. 68 (wing, ovipositor, ♂ genitalia). Type-locality: Brazil, Minas Gerais, Belo Horizonte; Guanabara, Rio de Janeiro (ex D.F.). Distr. — Costa Rica (Higuito, San Mateo), Panama (Canal Zone, Balboa; Capira, La Campana), ?Venezuela, Brazil (Minas Gerais, Guanabara), Paraguay (San Bernardino), Argentina (Corrientes, Jujuy). Ref. — Stone, 1942a:59, fig. 10, C, pl. 11, B (ovipositor, wing).
- MUCRONATA Stone, 1942a:57, fig. 9, E, pl. 10, C (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (El Cermeño).
- MUNDA Schiner, 1868:264. Type-locality: "Venezuela". Distr. — Venezuela. Ref. — Stone, 1942a:41.
- NIGRIPALPIS Hendel, 1914b:12. Type-locality: Bolivia, Mapiri, San Antonio, and Peru, Meshagua, Urubamba River. Distr. — Bolivia (Mapiri) Peru (Meshagua). Ref. — Stone, 1942a:87, fig. 17, C (ovipositor)

- OBLIQUA (Macquart), 1835:464 (*Tephritis*). Type-locality: "Cuba". Distr. — Cuba, British Guiana. Ref. — Stone, 1942a:75.
- OCHRESIA (Walker), 1849:1016 (*Trypeta*). Type-locality: "Jamaica". Distr. — U.S.A. (Florida: Key Largo and Key West), Cuba (east and west tips, Isle of Pines), Jamaica, Puerto Rico, Hispaniola (city of Santo Domingo). Ref. — Stone, 1942a:24, fig. 1, E, pl. 2, A (ovipositor, wing).
- tricincta* Loew, 1873:225 (*Trypeta*). Type-locality: "On board ship 60 miles northwest of St. Nicholas, Haiti".
- ORNATA Aldrich, 1925:6. Type-locality: Ecuador, Oriente, Baños. Distr. — Ecuador (Ambato, Oriente). Ref. — Stone, 1942a: 25, fig. 2, A, pl. 2, B (ovipositor, wing).
- PALAE Stone, 1942a:58, fig. 10, B, pl. 11, A (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (La Campana, El Cermeño).
- PALLIDIPENNIS Greene, 1934:166, pl. 23, fig. 1 (wing). Type-locality: Colombia, Medellín. Distr. — Panama (Canal Zone, Barro Colorado I.), Colombia. Ref. — Stone, 1942a:32, fig. 3, C, pl. 3, D (ovipositor, wing).
- PANAMENSIS Greene, 1934:150, pl. 20, fig. 8 (wing). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, Barro Colorado I.; Chorrero; La Campana). Ref. — Stone, 1942a: 59, fig. 10, D, pl. 11, C (ovipositor, wing).
- PARALLELA (Wiedemann), 1830:515 (*Dacus*). Type-locality: "Brazil". Distr. — ?Mexico, ?British Guiana, ?Paraguay, Brazil (Bahia). Ref. — Stone, 1942a:53, fig. 9, A, pl. 9, D (ovipositor, wing).
- PARISHI Stone, 1942b:302, figs. 5, 9 (ovipositor, wing). Type-locality: British Guiana, Bartica. Distr. — British Guiana (Bartica).
- PASSIFLORAE Greene, 1934:151, pl. 20, fig. 9 (wing). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone). Ref. — Stone, 1942a:66, fig. 12, D, pl. 13, C (ovipositor, wing).
- PASTRANAI Blanchard, 1961:336, figs. 38a-b (wing). Type-locality: Argentina, Jujuy, Santa Barbara. Distr. — Argentina (Jujuy).
- PERDITA Stone, 1942a:76, fig. 15, A (ovipositor). Type-locality: "Brazil". Distr. — Panama (El Cermeño), Brazil.
- PHAEOPTERA Lima, 1937:38, text-fig. 9, pl. 1, fig. 3 (wing, ovipositor). Type-locality: Brazil, Bahia. Distr. — Brazil (Bahia). Ref. — Stone, 1942a:92.
- PICKELI Lima, 1934a:542, text-figs. 45-46, pl. 72, fig. 42, pl. 76, fig. 73 (wing, ovipositor, ♂ genitalia). Type-locality: Brazil, Pernambuco and Guanabara, Rio de Janeiro. Distr. — Panama (Culebra, Canal Zone, Capira, El Cermeño), Venezuela (El Valle), Argentina (Salta, Jujuy, Misiones), Brazil (Guanabara, Bahia). Ref. — Stone, 1942a: 63, fig. 12, A, pl. 12, D (ovipositor, wing).
- PSEUDOFRATERCULUS Capoor, 1955:28, pl. 1, fig. 3, pl. 3, fig. 7 (wing, ovipositor). Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil (Rio de Janeiro).
- PSEUDOPARALLELA (Loew), 1873:230, pl. 11, fig. 24 (wing) (*Trypeta*). Type-locality: "Brazil". Distr. — Argentina (Tucumán), Brazil (Minas Gerais, Guanabara, São Paulo). Ref. — Stone, 1942a:84, fig. 16, C, pl. 17, C (ovipositor, wing).

- PSEUDOPUNCTATA** Blanchard, 1961:306, fig. 14 (ovipositor). Type-locality: Argentina, Tucumán. Distr. — Northern Argentina (Salta, Jujuy, Chaco, Misiones, Tucumán).
- var. **DISTENTA** Blanchard, 1961:307, fig. 15 (ovipositor). Type-locality: Argentina, Tucumán.
- PULCHRA** Stone, 1942a:26, fig. 2, B, pl. 2, C (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (La Campana, El Cermeño).
- PUNCTATA** Hendel, 1914b:19. Type-locality: Paraguay, San Bernardino. Distr. — Paraguay, Argentina, Central and Southern Brazil. Refs. — Fischer, 1933:84, fig. 1 (adult ♀, ovipositor); Fischer, 1934:21, figs. 9-11 (frontal bristles, wing); Stone, 1942a:36, fig. 4, E, pl. 5, A (ovipositor, wing).
- hendeli* Greene, 1934:155, pl. 21, fig. 1 (wing). Type-locality: Brazil, São Paulo.
- minor* Lima, 1934a:509, pl. 66, fig. 17, text-fig. 14 (wing, ♂ genitalia). Type-locality: Brazil, Mato Grosso, Fazenda Murtinho.
- QUARARIBAE** Lima, 1937:35, text-figs. 1-2, pl. 1, figs. 6, 8, pl. 2, fig. 4 (wings, ovipositor, ♂ genitalia). Type-locality: Brazil, Bahia. Distr. — Brazil (Bahia). Ref. — Stone, 1942a:44, fig. 6, E, pl. 7, C (ovipositor, wing).
- QUINAE** Lima, 1937:37, text-figs. 7-8, pl. 1, fig. 2, pl. 2, fig. 1 (wing, ovipositor, ♂ genitalia). Type-locality: Brazil, Bahia. Distr. — Brazil (Bahia). Ref. — Stone, 1942a:104, fig. 21, C, pl. 22, B (ovipositor, wing).
- RAMOSA** Stone, 1942a:60, fig. 1, A, pl. 11, D (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (La Campana, El Cermeño).
- REPANDA** Blanchard, 1961:326, figs. 30a-b (wing, ovipositor). Type-locality: Argentina, Santa Fe. Distr. — Argentina (Santa Fe).
- RHEEDIAE** Stone, 1942a:65, fig. 12, C, pl. 13, B (ovipositor, wing). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, La Campana, El Cermeño), Trinidad, Venezuela (El Valle).
- ROBUSTA** Greene, 1934:144, pl. 19, fig. 5 (wing). Type-locality: Guatemala, Cayuga. Distr. — Mexico (Córdoba), Guatemala, Venezuela, Panama, Brazil (Pará, Rio Cuminá). Ref. — Stone, 1942a:90, fig. 18, B, pl. 18, D (ovipositor, wing).
- furcata* Lima, 1937:64, fig. 17 (ovipositor). Type-locality: Brazil, Pará, Rio Cuminá.
- ROSILLOI** Blanchard, 1961:321, figs. 26a-b (wing, ovipositor). Type-locality: Argentina, Jujuy, El Carmen. Distr. — Argentina (Jujuy, Salta, Tucumán).
- SCHAUSI** Aldrich, 1925:3. Type-locality: Costa Rica, Juan Viñas. Distr. — Costa Rica (Juan Viñas). Ref. — Stone, 1942a:37, pl. 5, B (wing).
- SCHOLAE** Capoor, 1955:27, pl. 1, fig. 2, pl. 3, fig. 5 (wing, ovipositor). Type-locality: not given [Brazil]. Distr. — Brazil.
- SCHULTZI** Blanchard, 1938:366. Type-locality: Argentina, Tucumán. Distr. — Argentina (Tucumán, Salta, Jujuy, Catamarca, Misiones). Ref. — Blanchard, 1961:314, figs. 22a-b (wing, ovipositor).
- var. **OBLITERATELLA** Blanchard, 1938:368. Type-locality: Argentina, Tucumán.

- SCOBINAE Stone, 1942a:56, fig. 9, C, pl. 10, A (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (El Cermeño).
- SERPENTINA (Wiedemann), 1830:521 (*Dacus*). Type-locality: "Brazil". Distr. — U.S.A. (Texas), throughout Mexico and Central America to Peru, Trinidad, British Guiana south to Brazil, Venezuela, Argentina, Ecuador. Refs. — Emmart, 1933:184, pls. 7-8 (eggs); Stone, 1942a:27, fig. 2, C, pl. 2, D (ovipositor, wing).
- vittithorax* Macquart, 1851:259 (separate, p. 286), pl. 26, fig. 11 (wing) (*Urophora*). Type-locality: "L'Indie".
- SHANNONI Stone, 1942a:23, pl. 1, D (wing). Type-locality: Peru, Amazonas, Chimbote. Distr. — Peru (Amazonas).
- SIMILIS Greene, 1934:153, pl. 20, fig. 5 (wing). Type-locality: Panama, Cabima. Distr. — Panama (Cabima, La Campana, El Cermeño). Ref. — Stone, 1942a:43, fig. 6, C, pl. 7, A (ovipositor, wing).
- SODALIS Stone, 1942a:102, fig. 21, A (ovipositor). Type-locality: Brazil, Pará, Santarém. Distr. — Brazil (Pará).
- SPATULATA Stone, 1942a:61, fig. 11, C, pl. 12, B (ovipositor, wing). Type-locality: Mexico, Tamaulipas. Distr. — U.S.A. (Texas), Mexico (Tamaulipas, Baja California), Costa Rica, Panama (La Campana, El Cermeño).
- SPECIOSA Stone, 1942a:100, fig. 20, C, pl. 21, B (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (El Cermeño).
- STRIATA Schiner, 1868:264. Type-locality: "South America". Distr. — U.S.A. (Texas), Mexico to Panama, northern South America, south to Peru and Brazil (Amazonas). Refs. — Emmart, 1933:184, pls. 7-8 (eggs); Stone, 1942a:29, fig. 3, A, pl. 3, B (ovipositor, wing).
- SUBMUNDA Lima, 1937:37, text-figs. 5-6, pl. 1, figs. 4-5, pl. 2, fig. 3 (wings, ovipositor, ♂ genitalia). Type-locality: Brazil, Bahia. Distr. — Brazil (Bahia). Ref. — Stone, 1942a:47.
- SUBRAMOSA Stone, 1942a:61, fig. 11, B, pl. 12, A (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (La Campana).
- SUPERFLUA Stone, 1942a:33, fig. 4, A, pl. 4, B (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (La Campana, El Cermeño, Canal Zone: Balboa).
- SUSPENSIA (Loew), 1862b:69, pl. 2, fig. 5 (wing) (*Trypeta*). Type-locality: "Cuba". Distr. — U.S.A. (southern Florida), Cuba, Puerto Rico, Jamaica, Hispaniola. Refs. — Stone, 1942a:74, fig. 14, D, pl. 15, C (ovipositor, wing); Weems, 1965:1, fig. 1 (adult ♀).
- unipuncta* Seín, 1933:190, pl. 10, figs. 2-5, pl. 11, figs. 11-13, 18, 28-31, pl. 12, figs. 38-39, 42, pl. 14, figs. 57-60 (egg, larva, pupa, adult). Type-locality: Puerto Rico, Río Piedras.
- longimacula* Greene, 1934:146, pl. 19, fig. 11 (wing). Type-locality: Jamaica, Hope.
- SYLVICOLA Knab, 1915:146. Type-locality: "Trinidad". Distr. — Trinidad, Venezuela (El Valle). Ref. — Stone, 1942a:102, fig. 20, E, pl. 21, D (ovipositor, wing).
- TELI Stone, 1942b:302, figs. 1, 10 (ovipositor, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (La Campana, El Cermeño).
- TERETIS Stone, 1942a:103, fig. 21, B, pl. 22, A (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (La Campana, El Cermeño).

- TOWNSENDI Greene, 1934:165, pl. 22, fig. 10 (wing). Type-locality: Brazil, Pará, Rio Tapajós, Boa Vista. Distr. — Brazil (Pará). Ref. — Stone, 1942a:84, fig. 16, D, pl. 17, D (ovipositor, wing).
- TRIANGULATA Shaw, 1962:412, pl. 1, C, pl. 3, C (ovipositor, wing). Type-locality: Mexico, Morelos, Cuernavaca. Distr. — Mexico (Morelos).
- TRIPUNCTATA Wulp, 1899:405, pl. 11, fig. 22 (wing). Type-locality: Mexico, Guerrero, Venta de Zopilote. Distr. — Mexico (Guerrero). Ref. — Stone, 1942a:38, pl. 5, C (wing).
- TUBIFERA (Walker), 1857:230 (*Trypeta*). Type-locality: "China" (error; probably West Indies). Distr. — ?West Indies. Ref. — Stone, 1942a:49, pl. 8, D, pl. 23, D (wing, ovipositor).
- TUMIDA Stone, 1942a:98, fig. 19, D, pl. 20, D (ovipositor tip, wing). Type-locality: Panama, La Campana. Distr. — Panama (La Campana, Capira, El Cermeño).
- TURICAI Blanchard, 1961:316, figs. 23a-b (wing, ovipositor). Type-locality: Argentina, Tucumán, Colalao del Valle. Distr. — Argentina (Tucumán).
- TURPINIAE Stone, 1942a:83, fig. 16, B, pl. 17, B (ovipositor, wing). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone, La Campana).
- UMBROSA Blanchard, 1961:332, figs. 35a-b (ovipositor, wing). Type-locality: Argentina, Misiones, Posadas. Distr. — Argentina (Misiones).
- UNDOSA Stone, 1942a:50, fig. 8, B (ovipositor). Type-locality: Bolivia, Río Paraguay, Piedra Blanca, four miles west of Corumbá, Mato Grosso in Brazil (not in Argentina, Córdoba or Catamarca, as in Blanchard, 1961:313). Ref. — Blanchard, 1961:312, fig. 20 (ovipositor).
- XANTHOCHAETA Hendel, 1914b:18. Type-locality: Brazil, Rio Grande do Sul. Distr. — Brazil (Rio Grande do Sul). Ref. — Stone, 1942a:43, fig. 6, B (ovipositor).
- ZETEKI Greene, 1934:152, pl. 20, fig. 4 (wing). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone). Ref. — Stone, 1942a:94, fig. 18, G, pl. 19, D (ovipositor, wing).
- ZUELANIAE Stone, 1942a:82, fig. 16, A, pl. 17, A (ovipositor, wing). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — U.S.A. (Texas) to Panama.

Genus BARYPLEGMA Wulp

- BARYPLEGMA Wulp, 1899:416. Type-species, *gilva* Wulp (mon.).
Baryphlegma, error.
- GILVA Wulp, 1899:416, pl. 12, fig. 14 (wing). Type-locality: Mexico, Santiago Iscuintla, Navarrit. Distr. — Mexico (Santiago Iscuintla). Ref. — Foote, 1965b:243.
- VULPIANA Enderlein, 1911:431. Type-locality: "Costa Rica". Distr. — Costa Rica.
wulpiana, error or emendation.

Genus BLEPHARONEURA Loew

- BLEPHARONEURA Loew, 1873:272. Type-species, *Trypeta poecilogastra* Loew (orig. des.) = *poecilosoma* (Schiner).

- AMAZONENSIS** Lima & Leite, 1952:308, figs. 22, 47 (♂ genitalia, wing).
Type-locality: Brazil, Amazonas, Rio Negro, Uaupés (= São Gabriel). Distr. — Brazil (Amazonas).
- BISERIATA** Wulp, 1899:413, pl. 12, fig. 8 (wing). Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:241.
- DIVA** Giglio-Tos, 1893:10. Type-locality: Mexico, Tuxpango. Ref. — Giglio-Tos, 1895:57, fig. 17 (wing).
- FEMORALIS** Wulp, 1899:412, pl. 12, fig. 6 (wing). Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:241.
- FURCIFER** Hendel, 1914b:23, fig. 14 (wing). Type-locality: Bolivia, Mapiri, San Carlos and Peru, Mouth of River Pachitea. Distr. — Peru, Bolivia. Ref. — Hering, 1941a:133.
- HIRSUTA** Bates, 1933b:48, figs. 1-2 (head, wing). Type-locality: Venezuela, Aroa. Distr. — Venezuela (Aroa).
- IGLO** Giglio-Tos, 1893:10. Type-locality: Mexico, Tuxpango. Distr. — Mexico (Tuxpango). Ref. — Giglio-Tos, 1895:57, fig. 18 (wing).
- LONGICAUDA** Hendel, 1914b:22 (as *poecilosoma* var.). Type-locality: Peru, Callanga. Distr. — Peru (Callanga). Ref. — Hering, 1941a:132.
- POECILOSONA** (Schiner), 1868:274 (*Oxyphora*). Type-locality: "South America". Distr. — Mexico, Costa Rica, West Indies, northern South America south to Peru (Callanga) and Brazil (Pará).
- poecilogastra* Loew, 1873:270 (*Trypeta*). Type-locality: "Cuba".
- saga* Giglio-Tos, 1893:10. Type-locality: Mexico, Córdoba. Ref. — Giglio-Tos, 1895:56, fig. 19 (wing).
- fulvicollis* Wulp, 1899:411, pl. 12, fig. 5 (wing). Type-locality: Mexico, Vera Cruz. Ref. — Foote, 1965b:240.
- quadristriata* Wulp, 1899:413, pl. 12, fig. 7 (wing). Type-locality: Mexico, Tabasco, Teapa. Ref. — Foote, 1965b:241.
- impunctata* Hendel, 1914b:22 (as *poecilosoma* var.). Type-locality: unknown.
- parva* Hendel, 1914b:22 (as *poecilosoma* var.). Type-locality: Peru, Callanga.
- nigripilosa* Hering, 1935:226 (as *poecilosoma* var.). Type-locality: Ecuador, Santa Inez.
- PULCHELLA** (Wulp), 1899:403, pl. 11, fig. 18 (wing) (*Hexachaeta*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico (Tabasco). Ref. — Foote, 1965b:237.
- REGINA** Giglio-Tos, 1893:9. Type-locality: "Mexico". Distr. — Mexico. Ref. — Giglio-Tos, 1895:56, fig. 16 (wing).
- RUPTA** (Wulp), 1899:404, pl. 11, fig. 19 (wing) (*Hexachaeta*). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico (Tabasco). Ref. — Foote, 1965b:237.
- THETIS** Hendel, 1914b:22. Type-locality: Brazil, Rio Grande do Sul. Distr. — Brazil (Rio Grande do Sul).

Genus CECIDOCARELLA Hendel

- CECIDOCARELLA** Hendel, 1936:74. Type-species, *elegans* Hendel (mon.).
Ref. — Aczél, 1953a:115 (key).

ELEGANS Hendel, 1936:75, fig. 3 (wing) (as "nov. gen.", error). Type-locality: Brazil, Rio de Janeiro, Serra do Itatiaia. Distr. — Brazil (Rio de Janeiro). Ref. — Aczél, 1953a:115, text-figs. 3-6, pl. 1, C (head, antenna, palpus, epandrium, wing).

TUCUMANA Aczél, 1953a:118, pl. 2, D (wing). Type-locality: Argentina, Tucumán, Tafi del Valle. Distr. — Argentina (Tucumán).

Genus CECIDOCHARES Bezzi

CECIDOCHARES Bezzi, 1910:20. Type-species, *Trypeta nigerrima* Loew (Hendel, 1914b:40) = *connexa* (Macquart).

Cecidochares, subg. *Eucecidochares* Bezzi & Tavares, 1916:157, 159. Type-species, *Urophora connexa* Macquart (orig. des.).

Costalimaia Hering, 1947a:4. Type-species, *Procecidochares fluminensis* Lima (orig. des.).

Ref. — Aczél, 1953a:128 (key to Neotropical species).

BRAZILIENSIS Aczél, 1953a:130, text-fig. 10, pl. 2, F (head, wing). Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil (São Paulo).

CONNEXA (Macquart), 1848:224 (separate, p. 64), pl. 7, fig. 10 (wing) (*Urophora*). Type-locality: "Brazil". Distr. — Venezuela (D.F.), Argentina (Tucumán: San Javier and San Pedro de Colalao), Brazil (Bahia, Rio de Janeiro, São Paulo). Ref. — Aczél, 1953a:133, figs. 14-18, pl. 3, G (head, palpus, ♂ genitalia, wing).

nigerrima Loew, 1862a:219 (Cent. 2, 89, footnote) (*Trypeta*). Type-locality: "Brazil".

leucotricha Schiner, 1868:266 (*Oedaspis*). Type-locality: "South America".

DELTA (Hendel), 1914b:43, pl. 2, fig. 28 (wing) (*Procecidochares*). Type-locality: Peru, Cuzco and Mamara. Distr. — Peru, Chile (Mamiña). Refs. — Hering, 1941a:146; Aczél, 1953a:137, pl. 3, H (wing).

EUPATORI (Kieffer & Jörgenson), 1910:387, fig. 18 (wing) (*Acidia*). Type-locality: Argentina, Mendoza, "Cordilleren". Distr. — Bolivia (Santa Cruz de la Sierra, Buena Vista), Argentina (Mendoza). Ref. — Lindner, 1928:27.

FLUMINENSIS (Lima), 1934b:124, pl. 1, fig. 7 (wing) (*Procecidochares*). Type-locality: Brazil, Rio de Janeiro, Angra dos Reis and Pinheiral (= Pinheiros), Pirai; Guanabara, Rio de Janeiro, Paineiras. Distr. — Brazil (Rio de Janeiro, Guanabara, São Paulo). Ref. — Aczél, 1953a:139, text-fig. 11, pl. 3, I (head, wing).

FRAUENFELDI (Schiner), 1868:276, pl. 3, figs. 4, 4a (wing, adult) (*Icaria*). Type-locality: "Cape of Good Hope" (?). Distr. — Brazil (Rio de Janeiro: Petrópolis).

IANTHINA Aczél, 1953a:142, text-fig. 13, pl. 4, K (head, wing). Type-locality: Argentina, Tucumán, Lacavera. Distr. — Argentina (Tucumán).

LATIGENIS Hendel, 1914b:41. Type-locality: Bolivia, Mapiri, Lorenzopata. Distr. — Bolivia (Mapiri).

QUINQUEFASCIATA (Hendel), 1914b:43, pl. 2, fig. 29 (wing) (*Procedidochares*).
Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco, Oroya), Bolivia ("Cordillere"), Ecuador (Casitagua, Danas). Ref. — Hering, 1941a:146.

quinquefasciata Becker, 1919:192, pl. 16, fig. 7 (wing) (*Oedaspis*).
Type-locality: Ecuador, Danas, Casitagua.

RUFESCENS Bezzi, 1913:155. Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo).

nigerrima Loew of Bezzi, 1910:21.

VIOLACEA Aczél, 1953a:145, text-figs. 19-20, pl. 4, L (head, ♂ abdomen, wing).
Type-locality: Argentina, Córdoba, Enredadera. Distr. — Argentina (Córdoba).

Genus CELIDOSPHEENELLA Hendel

CELIDOSPHEENELLA Hendel, 1914a:86 (1914b:48). Type-species, *maculata* Hendel (orig. des.).

MACULATA Hendel, 1914b:48. Type-locality: Chile, Magallanes, Punta Arenas. Distr. — Chile (Magallanes).

FOECILA (Schiner), 1868:268 (*Sphenella*). Type-locality: "Chile". Distr. — Chile.

Genus CERATITIS Macleay

CERATITIS Macleay, 1829:482. Type-species, *citriperda* Macleay (mon.) = *capitata* (Wiedemann).

Long known to be present in various countries in South America, *capitata* has been introduced on at least three separate occasions into the State of Florida in the United States but eradicated each time. In the recent past this insect has found its way into Costa Rica and is now held within a relatively small area in Central America. It is one of the most economically important of all insects that attack plants.

CAPITATA (Wiedemann), 1824:55 (*Trypeta*). Type-locality: "East Indies", probably error. Distr. — Bermuda, southern Nicaragua, Costa Rica, northern Panama, Venezuela, Bolivia, Peru, Chile, Uruguay, Argentina, Brazil. Ref. — Hardy, 1949:186, figs. 3, 5, 10, 12, 15, 18, 21, 24, 27 (details of egg, larva, pupa, adult).

Genus CERATITOEDASPIS Aczél

CERATITOEDASPIS Aczél, 1953a:111. Type-species, *palpalis* Aczél (orig. des.).

PALPALIS Aczél, 1953a:111, text-figs. 1-2, pl. 1, B (head, antenna, wing).
Type-locality: Guatemala, Yepocapa. Distr. — Guatemala (Yepocapa).

Genus CERATODACUS Hendel

CERATODACUS Hendel, 1914a:81 (1914b:10). Type-species, *longicornis* Hendel (orig. des.).

LONGICORNIS Hendel, 1914b:11, text-fig. A, pl. 1, fig. 1 (head, wing). Type-locality: "Peru". Distr. — Peru. Ref. — Hering, 1941a:132.

Genus CHRYSACIURA Aczél

- CHRYSACIURA Aczél, 1953a:188. Type-species, *bipuncta* Aczél (orig. des.).
BIPUNCTA Aczél, 1953a:188, text-figs. 53-55, pl. 8, Z (head, scutellum, abdomen, wing). Type-locality: Argentina, Tucumán, Quebrada la Loma. Distr. — Argentina (Tucumán).

Genus CRYPTODACUS Hendel

- CRYPTODACUS Hendel, 1914a:84 (1914b:12). Type-species, *obliquus* Hendel (orig. des.).
OBLIQUUS Hendel, 1914b:12, pl. 1, fig. 2 (wing). Type-locality: Bolivia, Songo. Distr. — Bolivia (Songo).
scutellatus Hendel, 1936:73. Type-locality: "Brazil, Natal", error. Not Neotropical.
SILVAI Lima, 1947:153, figs. 1-5 (wing, ovipositor, ♂ genitalia). Type-locality: Brazil, Rio Grande do Sul, Rio Grande. Distr. — Brazil (Rio Grande do Sul).

Genus CRYPTOPLAGIA Aczél

- CRYPTOPLAGIA Aczél, 1951b:265. Type-species, *cuculiformis* Aczél (orig. des.).
CUCULIFORMIS Aczél, 1951b:265, text-figs. 15-26, pl. 1, B (head, thorax, abdomen, wing, ovipositor, ♂ genitalia). Type-locality: Peru, Piura. Distr. — Peru (Piura).

Genus CRYPTOTRETA Blanc & Foote

- CRYPTOTRETA Blanc & Foote, 1961:82. Type-species, *Eurosta pallida* Cole (orig. des.).
PALLIDA (Cole), 1923:472, fig. 10 (wing) (*Eurosta*). Type-locality: Mexico. Baja California, San Francisquito Bay. Distr. — U.S.A. (California), Mexico (Baja California). Ref. — Blanc & Foote, 1961: 83, fig. 4 (wing).

Genus DICTYOTRYPETA Hendel

- DICTYOTRYPETA Hendel, 1914a:93 (1914b:49). Type-species, *syssema* Hendel (orig. des.).
SYSSEMA Hendel, 1914b:50. Type-locality: Peru, Mamara and Cuzco. Distr. — Peru (Mamara, Cuzco). Ref. — Hering, 1941a:149.

Genus DIOXYNA Frey

- DIOXYNA Frey, 1945:62. Type-species, *Trypeta sororcula* Wiedemann (orig. des.).
Ensina, authors (part).

In much of the older literature these species have been placed in the genera *Tephritis*, *Trypanea*, *Ensina*, and *Paroxyna*. The species are very poorly known in the New World.

Ref. — Munro, 1957:936 (rev.).

- CHILENSIS (Macquart), 1843:387 (separate, p. 230), pl. 31, fig. 11 (wing) (*Ensina*). Type-locality: "Chile". Distr. — Peru, Bolivia, Argentina, Chile. Ref. — Hering, 1941a:161.
- sororcula*, authors (part), not Wiedemann.
- PEREGRINA (Loew), 1873:292, pl. 10, fig. 30 (wing) (*Trypeta*). Type-locality: "Brazil". Distr. — Brazil.
- PICCIOLA (Bigot), 1857b:347, pl. 20, fig. 10 (adult) (*Acinia*). Type-locality: "Cuba". Distr. — Mexico, Bahama Is., Bermuda, West Indies to Trinidad. Refs. — Benjamin, 1934:42, fig. 30, A-N (egg, larva, pupa, adult); Munro, 1957:936, figs. 51-52, 53f (wing, aedeagus, sternites 4, 5).
- humilis* Loew, 1862b:81, pl. 2, fig. 17 (wing) (*Trypeta*). Type-locality: "Cuba".
- aurifera* Thomson, 1869:585 (*Trypeta*). Type-locality: U.S.A., California.
- peregrina* Loew of Williston, 1896:377 (*Trypeta*).
- sororcula*, authors (part), not Wiedemann.
- PLANICAPITIS (Hering), 1941a:162, pl. 1, fig. 5 (wing) (*Paroxyna*). Type-locality: Peru, Ocana and Aina. Distr. — Bolivia (La Paz), Peru.
- sororcula* (Wiedemann). Not Neotropical.
- THOMAE (Curran), 1928:70, fig. 30 (wing) (*Ensina*). Type-locality: St. Thomas I. Distr. — U.S.A. (Florida), West Indies. Refs. — Benjamin, 1934:41, fig. 37, A-G (antenna, head, ♂ genitalia, ovipositor, wings); Munro, 1957:938.

Genus DRACONTOMYIA Becker

- DRACONTOMYIA Becker, 1919:193. Type-species, *riveti* Becker (mon.). Ref. — Aczél, 1953a:121 (key).
- FOOTEI Aczél, 1953a:121, text-figs. 7-9, pl. 2, E (head, ovipositor, wing). Type-locality: Peru, Elma. Distr. — Peru (Elma, Parish).
- RIVETI Becker, 1919:193, pl. 16, fig. 1 (wing). Type-locality: Ecuador, Casitagua. Distr. — Ecuador (Casitagua).

Genus DYSEUARESTA Hendel

- DYSEUARESTA Hendel, 1928:368. Type-species, *Euaresta adelphica* Hendel (orig. des.).
- ADELPHICA (Hendel), 1914b:72, pl. 4, fig. 64 (wing) (*Euaresta*). Type-locality: "Paraguay". Distr. — Paraguay.
- APICALIS Hendel, 1928:368. Type-locality: "Bolivia". Distr. — Bolivia.
- FUSCOAPICALIS Hering, 1942b:288, fig. 11 (wing). Type-locality: Argentina, Salta. Distr. — Argentina (Salta).
- CEPHYRIAE (Hendel), 1914b:71, pl. 3, fig. 63 (wing) (*Euaresta*). Type-locality: Peru, Mamara. Distr. — Peru (Mamara, Querobamba). Ref. — Hering, 1941a:156.
- MEXICANA (Wiedemann), 1830:511 (*Trypeta*). Type-locality: "Mexico". Distr. — U.S.A. (Florida, Texas), Bahama Is., Mexico, Cuba, Jamaica, Puerto Rico, West Indies. Ref. — Benjamin, 1934:51, fig. 36, A-G (head, antenna, wings, ♂ genitalia, ovipositor).

- melanogaster* Loew, 1862b:90, pl. 2, fig. 24 (wing) (*Trypeta*). Type-locality: "Cuba".
- audax* Giglio-Tos, 1893:9 (*Euaresta*). Type-locality: Mexico, Tuxpango. Ref. — Giglio-Tos, 1895:55, fig. 22 (wing).
- plesia* Curran, 1928:71, fig. 29 (wing) (*Euaresta*). Type-locality: Puerto Rico, Cuamo Springs.
- SIGNIFERA** Hering, 1937:300, fig. 5 (wing). Type-locality: Costa Rica, 8 kilometers west of San José, at Farm La Caja. Distr. — Costa Rica (San José).
- SOBRINATA** (Wulp), 1900:425, unnumbered text-fig. (wing) (*Euaresta*). Type-locality: Mexico, Guerrero, Xucumanatlán. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:246.
- TENUIS** (Loew), 1873:316, pl. 10, fig. 29 (wing) (*Trypeta*). Type-locality: "Brazil". Distr. — Brazil.
- TRINOTATA** Bates, 1934:16, fig. 6 (wing). Type-locality: Virgin Is., St. Thomas. Distr. — Virgin Is. (St. Thomas).

Genus EPOCHRINOPSIS Hering

- EPOCHRINOPSIS** Hering, 1939:168. Type-species, *bicolorata* Hering (orig. des.). *Epochrinopsis*, subg. *Epochrella* Hering, 1961:2. Type-species, *rivellioides* Hering (orig. des.). N. SYN.
- BICOLORATA** Hering, 1939:169, fig. 4 (wing). Type-locality: Bolivia, Cuesta de Cillunticara. Distr. — Bolivia (Cillunticara).
- RIVELLIROIDES** Hering, 1961:2, fig. 1 (wing). Type-locality: Bolivia, Yungas de Arepucho and Sihuenas. Distr. — Bolivia.

Genus EUARESTA Loew

- EUARESTA** Loew, 1873:296. Type-species, *Trypeta festiva* Loew (Coquillett, 1910:540).
- Camaromyia* Hendel, 1914a:95 (1914b:63). Type-species, *Trypeta bullans* Wiedemann (orig. des.).
Ref. — Aczél, 1952c:147 (revision, Neotropical species).
- BELLA** (Loew), 1873:311, pl. 10, fig. 23 (wing) (*Trypeta*). Type-locality: U.S.A., Washington and New York. Distr. — U.S.A. (many localities), Mexico, Bahama Is., Barbados. Ref. — Quisenberry, 1950:34, fig. 2, B, fig. 3, E, J (wing, antenna, palpus).
- BELLULA** Snow, 1894:172. Type-locality: U.S.A., Arizona. Distr. — U.S.A. (many localities), Mexico (Guaymas, Puerto Refugio, San Lorenzo I., and Mulege, all Gulf of California). Refs. — Quisenberry, 1950:30, fig. 2, D, fig. 3, D, I (wing, antenna, palpus); Foote, 1962:173.
- BULLANS** (Wiedemann), 1830:506 (*Trypeta*). Type-locality: Uruguay, Montevideo. Distr. — U.S.A. (many localities), Peru, Chile, Argentina, Brazil, Uruguay. Ref. — Aczél, 1952c:155, text-figs. 1-10, pl. 1, figs. 1-2 (head, ♂ genitalia, ovipositor, wing).
- rufa* Macquart, 1843:385 (separate, p. 228), pl. 31, fig. 9 (wing) (*Acinia*). Type-locality: "Chile".
- meleagris* Schiner, 1868:272 (*Tephritis*). Type-locality: "Chile".

- MERIDIONALIS Aczél, 1952c:158, text-figs. 11-17, pl. 1, figs. 3-4 (head, fore femora of ♂ and ♀, ovipositor, ♂ genitalia, wing). Type-locality: Argentina, Rio Negro, Choele-Choele Is. Distr. — Argentina (Rio Negro, Mendoza, Neuquén, Córdoba).
- PHILODEMA (Hendel), 1914b:63, pl. 3, fig. 53 (wing) (*Camaromyia*). Type-locality: Chile, Talcahuano. Distr. — Chile (Angol, Santiago, Antofagasta), Argentina (many localities). Ref. — Aczél, 1952c:162, text-figs. 18-25, pl. 2, figs. 5-6 (head, ♂ genitalia, ovipositor, wing).
- TCBA (Lindner), 1923:29, fig. 1 (wing) (*Camaromyia*). Type-locality: Argentina, Lapango, Tacaagle. Distr. — Peru, Chile, Uruguay, Argentina. Refs. — Hering, 1941a:166; Aczél, 1952c:165, text-figs. 26-33, pl. 2, figs. 7-8 (head, ♂ genitalia, ovipositor, wing).

Genus EUARESTOIDES Benjamin

- Trupanea*, subg. EUARESTOIDES Benjamin, 1934:57. Type-species, *Trypeta abstersa* Loew (orig. des.).
- ABSTERSUS (Loew), 1862a:221 (Cent. 2, n° 77) (*Trypeta*). Type-locality: "North America", Distr. — U.S.A. (eastern), Bahama Is. (many localities), ?Mexico, ?Cuba. Ref. — Foote, 1958:290, figs. 1-2, 6 (distribution, head, wing).
- ACUTANGULUS (Thomson), 1869:583 (*Trypeta*). Type-locality: U.S.A., California. Distr. — U.S.A. (western), northern Mexico (Tamaulipas, Juárez). Ref. — Foote, 1958:291, figs. 1, 3, 7, (distribution, head, wing).
- DREISBACHI Foote, 1958:293, figs. 5, 9 (head, wing). Type-locality: Mexico, Jalisco, La Primavera. Distr. — Mexico (Hidalgo, Durango, Jalisco, Guadalajara).
- EUGENIA (Wulp), 1900:427, unnumbered text-fig. (wing) (*Urellia*). Type-locality: Mexico, Guerrero, Chilpancingo and Amula. Distr. — Mexico, Peru (Cuzco, valley of Lares, Mamara, Arequipa), Chile. Ref. — Foote, 1965b:247.

Genus EUARESTOPSIS Hering

- EUARESTOPSIS Hering, 1937:299. Type-species, *paupera* Hering (orig. des.).
- PAUPERA Hering, 1937:299, fig. 3 (wing). Type-locality: Costa Rica, San José. Distr. — Costa Rica (San José).

Genus EUTRETA Loew

- Icaria* Schiner, 1868:276. Type-species, *Trypeta sparsa* Wiedemann (orig. des.; preocc. Saussure, 1853).
- EUTRETA Loew, 1873:276. Type-species, *Trypeta sparsa* Wiedemann (Coquillett, 1910:543).
- Eutreta*, subg. *Phasmatocephala* Hering, 1937:297. Type-species, *rhinophora* Hering (orig. des.).
- ACZELI Lima, 1954b:175, figs. 1-4 (antenna, ovipositor, spermatheca, wing). Type-locality: unknown.
- APICATA Hering, 1935:225. Type-locality: "Costa Rica". Distr. — Costa Rica.



- BACCHARIS (Coquillett), 1894:73 (*Trypeta*). Type-locality: U.S.A., southern California. Distr. — U.S.A. (several localities), northern Mexico.
- DISTINCTA (Schiner), 1868:276 (*Icaria*). Type-locality: "South America". Distr. — Venezuela, Peru, Bolivia, Brazil. Ref. — Hering, 1941a: 149.
- FROSTI Hering, 1938b:415, fig. 12 (wing). Type-locality: Ecuador, Baños. Distr. — Ecuador (Baños).
- LUNULATA (Macquart), 1851:255 (separate, p. 282), pl. 26, figs. 3, 3a (adult dorsum, head) (*Platystoma*). Type-locality: Brazil, Vale Grande. Distr. — Brazil.
- MARGARITATA Hendel, 1914b:56. Type-locality: Mexico, Orizaba. Distr. — Mexico (Orizaba).
- PARASPARSA Blanchard, 1965:79, unnumbered text-fig. (gall). Type-locality: Argentina, Tucumán, Tafi Viejo. Distr. — Argentina (Tucumán).
- PATAGIATA Wulp, 1899:414, pl. 12, fig. 10 (wing). Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico (Guerrero), Costa Rica. Ref. — Foote, 1965b:241.
- RHINOPHORA Hering, 1937:297, fig. 6 (profile of head). Type-locality: Costa Rica, San José. Distr. — Costa Rica (San José).
- SPARSA (Wiedemann), 1830:492 (*Trypeta*). Type-locality: unknown [New World]. Distr. — U.S.A. (many localities), Mexico (n. Sonora, D.F., Guerrero, Morelos, Veracruz, Orizaba).
- XANTHOCHAETA Aldrich, 1923:261. Type-locality: Honolulu, Hawaii, from a specimen introduced from Mexico and established in Hawaii. Distr. — Mexico, ?Guatemala; introduced to Hawaii to control *Lantana*.

Genus GERRHOCERAS Hering

- GERRHOCERAS Hering, 1941b:474. Type-species, *paradoxa* Hering (orig. des.). Ref. — Aczél, 1954a:73 (in key).
- PARADOXA Hering, 1941b:475, figs. 1-2 (wing, scutellum). Type-locality: Bolivia, Coroico. Distr. — Bolivia (Coroico).

Genus HAMOUCHAETA Blanchard

- HAMOUCHAETA Blanchard, 1929:458. Type-species, *ogloblini* Blanchard (orig. des.).
- OGLOBLINI Blanchard, 1929:458, figs. 1-10 (head, antenna, palpus, wing, ovipositor). Type-locality: Argentina, Misiones, Loreto. Distr. — Argentina (Misiones).

Genus HAYWARDINA Aczél

- HAYWARDINA Aczél, 1951b:258. Type-species, *Tomoplagia cuculi* Hendel (orig. des.).
- CUCULI (Hendel), 1914b:35 (*Tomoplagia*). Type-locality: Argentina, Tucumán. Distr. — Argentina (Tucumán). Ref. — Aczél, 1951b: 259, text-figs. 1-14, pl. 1, A (head, thorax, wing, abdomen, ovipositor, ♂ genitalia).

Genus HEXACHAETA Loew

HETSCHKOMYIA Hendel, 1914a:86 (1914b:33). Type-species, *maculipennis* Hendel (orig. des.).

Brachytes Hendel, 1914b:33 and explanation of plates following p. 84 (preoccupied Westwood, 1842). *Nomen nudum*.

MACULIPENNIS Hendel, 1914b:33, pl. 2, fig. 23 (wing). Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco). Ref. — Hering, 1941a:143.

Genus HETSCHKOMYIA Hendel

HEXACHAETA Loew, 1873:219. Type-species, *Trypeta eximia* Wiedemann (Coquillett, 1910:552).

Ref. — Lima, 1953c, 1954a (keys).

AMABILIS (Loew), 1873:219 (*Trypeta*). Type-locality: "Mexico". Distr. — Mexico (northern Yucatán), south to Peru (Rosalina and Urubamba River) and Brazil (São Paulo). Refs. — Hering, 1941a:135; Lima & Leite, 1952:299; Lima, 1953b:153, figs. 3, 4, 7, 8, 11, 12 (wing, ♂ genitalia, ovipositor, spermatheca).

decolorata Lindner, 1928:26 (as *amabilis* "form"). Type-locality: Bolivia, Rio Tucabaca.

BARBIELLINI Lima, 1935a:244, pl. 3, figs. 9, 10, pl. 4, figs. 3-6 (wings, ♀ abdomen, ovipositor). Type-locality: Brazil, São Paulo. Distr. — Brazil (Bahia, Minas Gerais, Guanabara, Rio de Janeiro, São Paulo). Ref. — Lima & Leite, 1952:301, figs. 3-5, 25-27 (♂ genitalia, ovipositor).

ssp. ITATIAENSIS Lima & Leite, 1952:302, figs. 6, 7, 28, 29, 48, 49 (♂ genitalia, ovipositor, wing). Type-locality: Brazil, Rio de Janeiro, Itatiaia.

BONDARI Lima & Leite, 1952:304, figs. 9, 10, 31, 32, 46 (♂ genitalia, ovipositor, wing). Type-locality: Brazil, Bahia. Distr. — Brazil (Bahia).

COLUMBIANA Lima, 1953c:560, pl. 1, fig. 6, pl. 3, fig. 19 (wing, ♂ genitalia). Type-locality: Colombia, Cundinamarca. — Distr. — Colombia (Cundinamarca).

CRONIA (Walker), 1849:1038 (*Trypeta*). Type-locality: "Brazil". Distr. — Brazil (Bahia: Ilhéus). Refs. — Lima & Leite, 1952:305, figs. 11, 12, 33, 34 (♂ genitalia, ovipositor); Foote, 1964b:320.

ssp. SPITZI Lima & Leite, 1952:305, figs. 13, 14, 35, 36 (♂ genitalia, ovipositor). Type-locality: "Brazil".

DINIA (Walker), 1849:1040 (*Trypeta*). Type-locality: "Jamaica". Distr. — Jamaica. Refs. — Lima & Leite, 1952:302; Lima, 1953c:565, pl. 2, figs. 13-14 (entire fly, wing); Foote, 1964b:321.

ENDERLEINI Lima, 1935a:241, pl. 3, figs. 10-13 pl. 5, figs. 10, 17 (wing, ovipositor). Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo). Ref. — Lima, 1953c:561, pl. 1, figs. 2, 8, pl. 3, fig. 21, pl. 4, fig. 24, pl. 5, fig. 29 (wing, ♂ genitalia, spermatheca, ♀ abdomen, ovipositor).

EXIMIA (Wiedemann), 1830:477 (*Trypeta*). Type-locality: "Surinam". Distr. — Mexico, south to Peru (Rosalina, Urubamba River, Vilcanota), British Guiana and Surinam, south to Brazil (Guanabara). Refs.

- Hering, 1941a:135; Lima, 1953c:563, pl. 1, fig. 3, pl. 2, figs. 15-18, pl. 3, fig. 20, pl. 4, figs. 26, 27, pl. 5, figs. 31, 32 (wing, ♂ genitalia, ovipositor).
- fasciventris* Macquart, 1851:264 (separate, p. 291), pl. 27, fig. 3 (wing) (*Tephritis*). Type-locality: "Brazil".
- lutescens* Walker, 1857:229 (*Trypeta*). Type-locality: Brazil, Amazon River valley. Refs. — Hardy, 1959:216; Foote, 1964b:322.
- sinica* Walker, 1857:229 (*Trypeta*). Type-locality: "China" (error: probably Amazon River valley of Brazil). Refs. — Hardy, 1959:223; Foote, 1964:324.
- aegiphilae* Lima, 1935a:241, pl. 2, figs. 6-7, pl. 5, figs. 5, 12, 14-16 (wings, ♂ genitalia, ovipositor). Type-locality: Brazil, Guanabara, Rio de Janeiro, Santana de Macacu. Ref. — Lima & Leite, 1952:303.
- FALLAX Lima, 1954a:280, pl. 1, fig. 4, pl. 2, fig. 8, pl. 3, fig. 12, pl. 5, fig. 22, pl. 6, fig. 28 (wing, abdomen, ♂ genitalia, ovipositor). Type-locality: Panama, Canal Zone, Cano Saddle, Gatun Lake. Distr. — Panama (Canal Zone; Barro Colorado I., Cano Saddle).
- HOMALURA Hendel, 1914b:25. Type-locality: Peru, Meshagua, Urubamba River and Paraguay. Distr. — Peru (Meshagua), Brazil, Paraguay. Refs. — Hering, 1941a:135; Lima & Leite, 1952:300, figs. 2, 24 (male genitalia).
- MAJOR (Macquart), 1847:109 (separate, p. 93), pl. 6, fig. 6 (wing) (*Tephritis*). Type-locality: "Brazil". Distr. — Brazil. Ref. — Lima & Leite, 1952:303, figs. 8, 30 (♂ genitalia).
- socialis* Wiedemann of Lima, 1935a:249.
- MONOSTIGMA Hendel, 1914b:24, pl. 1, fig. 16 (wing). Type-locality: Peru, Meshagua, Urubamba River and Bolivia, Mapiri. Distr. — Peru (Meshagua), Bolivia (Mapiri), Brazil (Santa Catarina). Refs. — Lima & Leite, 1952:306, figs. 17, 19, 20, 39, 41, 43, 45, 52 (♂ genitalia, ovipositor, wing); Lima, 1954a:278, pl. 2, figs. 9, 10, pl. 4, figs. 24, 25 (abdomen, ♂ genitalia).
- NIGRIPES Hering, 1938b:414. Type-locality: Brazil, Santa Catarina, Nova Teutônia, Córrego Itá. Distr. — Brazil (Santa Catarina).
- OBLITA Lima, 1954a:280, pl. 1, fig. 2, pl. 2, fig. 5, pl. 3, fig. 12, pl. 4, fig. 19, pl. 6, fig. 31 (wing, abdomen, ♂ genitalia, ovipositor). Type-locality: Panama, Canal Zone, Cano Saddle, Gatun Lake. Distr. — Panama (Canal Zone), Venezuela (El Valle).
- OBSCURA Hendel, 1914b:25 (as *amabilis* var.). Type-locality: Peru, Rosalina, Urubamba River and Paraguay. Distr. — U.S.A. (Texas), Panama (La Campana, Arraijau, El Cermeño), Trinidad (near Teterson), Peru, Brazil, Paraguay. Refs. — Hering, 1941a:136; Lima & Leite, 1952:300, figs. 1, 23 (♂ genitalia); Lima, 1953b: figs. 2, 6, 9, 10 (wing, ♂ genitalia, ovipositor, spermatheca).
- obscura*, error.
- OCULATA Hendel, 1914b:23, 26 (as *amabilis* var.). Type-locality: Peru, Rosalina. Distr. — Peru (Rosalina).
- PARVA Lima, 1954a:279, pl. 1, fig. 3, pl. 2, fig. 6, pl. 3, fig. 11, pl. 4, fig. 20, pl. 6, fig. 26 (wing, abdomen, ♂ genitalia, ovipositor). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone).

- QUINQUEFASCIATA (Walker), 1837:357 (*Tephritis*). Type-locality: "South America". Distr. — "South America". Ref. — Foote, 1964b:323.
- aex* Walker, 1849:1037 (*Trypeta*). Type-locality: "Brazil". Refs. — Lima & Leite, 1952:307, figs. 21, 42 (♂ genitalia); Foote, 1964b:317.
- SEABRAI Lima, 1953c:562, pl. 1, figs. 4, 10, pl. 2, fig. 22, pl. 4, fig. 25, pl. 6, fig. 30 (wing, spermatheca, ovipositor, ♂ genitalia). Type-locality: Brazil, Espírito Santo, Linhares. Distr. — U.S.A. (Texas), Guatemala (Cayuga), Panama, Brazil (Espírito Santo).
- SHANNONI Lima, 1953b:154, figs. 1, 5 (wing, ovipositor tip). Type-locality: Brazil, Amazonas, Esperança. Distr. — Brazil (Amazonas).
- SOCIALIS (Wiedemann), 1830:491 (*Trypeta*). Type-locality: "Brazil". Distr. Mexico, Paraguay, Brazil (São Paulo). Ref. — Lima & Leite, 1952:306, figs. 15-16, 37, 38, 51 (♂ genitalia, ovipositor, wing).
- SPLENDIDA (Giglio-Tos), 1893:10 (*Blepharoneura*). Type-locality: "Mexico". Distr. — Mexico, Costa Rica (Río Sucio). Ref. — Giglio-Tos, 1895:58, fig. 20 (wing).
- VALIDA Lima, 1954a:280, pl. 1, fig. 1, pl. 2, fig. 7, pl. 3, fig. 17, pl. 4, fig. 18, pl. 6, fig. 32 (wing, abdomen, ♂ genitalia, ovipositor). Type-locality: Panama, La Campana. Distr. — Panama (La Campana; Cano Saddle, Gatun Lake and Barro Colorado I., both Canal Zone), Venezuela (Rancho Grande).
- VENEZUELANA Lima, 1953c:561, pl. 1, figs. 1, 7, pl. 4, fig. 23, pl. 5, fig. 28 (wing, spermatheca, ovipositor). Type-locality: Venezuela, El Valle, near Caracas. Distr. — Venezuela (El Valle).
- ZETEKI Lima, 1953c:563, pl. 1, fig. 5 (wing). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone).

Genus HEXARESTA Hering

- HEXARESTA Hering, 1941c:18. Type-species, *juanita* Hering (orig. des.).
- JUANITA Hering, 1941c:19, fig. 15 (wing). Type-locality: Surinam, "bezirk Paramaribo". Distr. — Surinam (Paramaribo).

Genus HOMOEOTHRIX Hering

- HOMOEOTHRIX Hering, 1944a:7 (as *Homoeothrix*, emended by Hering, 1947a:7). Type-species, *Euribia lindigi* Hendel (orig. des.).
- LINDIGI (Hendel), 1914b:68, pl. 3, fig. 58 (wing) (*Euribia*). Type-locality: "Venezuela". Distr. — Venezuela.

Genus ICTERICODES Hering

- ICTERICODES Hering, 1942a:6. Type-species, *Trypeta japonica* Wiedemann (orig. des.).
- Icterica*, authors, not Loew.
- Ref. — Aczél, 1951a:120 (remarks).
- APICALIS (Coquillett), 1904b:96 (*Icterica*). Type-locality: Nicaragua, San Marcos. Distr. — Mexico (Orizaba), Nicaragua (San Marcos).
- lunata* Hendel, 1914b:61, pl. 3, fig. 50 (wing) (*Icterica*). Type-locality: Mexico, Orizaba.

- CHRISTOPHE (Bates), 1933a:165, fig. 1 (wing) (*Icterica*). Type-locality: Haiti, Port au Prince. Distr. — Haiti (Port au Prince).
- COMETA (Malloch), 1933:272, pl. 3, fig. 14 (wing) (*Icterica*). Type-locality: Argentina, Buenos Aires, San Isidro. Distr. — Argentina (Buenos Aires).
- LICHTENSTEINI (Wiedemann), 1830:497 (*Trypeta*). Type-locality: "Mexico". Distr. — Mexico.
- STROBELIOIDES (Hendel), 1914b:62 (*Icterica*). Type-locality: Paraguay, San Bernardino. Distr. — Argentina (San José), Paraguay (San Bernardino).

Genus ISCHYOPTERON Bigot

- ISCHYOPTERON Bigot, 1889a:xxix. Type-species, *nigrocaudatum* Bigot (mon.)
- Calopteromyia* Bigot, 1889b:xciii (unjustified nom. nov. for *Ischyropteron* Bigot). Type-species, *Ischyropteron nigrocaudatum* Bigot (aut.). *Ischyropteron*, error or emendation.
- NIGROCAUDATUM Bigot, 1889a:xxx. Type-locality: Brazil, Rio de Janeiro, Teresópolis. Distr. — Brazil (Rio de Janeiro).

Genus LAMPROXYNA Hendel

- LAMPROXYNA Hendel, 1914a:96 (1914b:64). Type-species, *nitidula* Hendel (orig. des.).
- NITIDULA Hendel, 1914b:64, pl. 3, fig. 54 (wing). Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco), Bolivia (Illimani). Ref. — Hering, 1941a:154.
- TITSCHACKI Hering, 1941a:154, pl. 1, fig. 4 (wing). Type-locality: Peru, Tayapampa. Distr. — Peru (Tayapampa), Bolivia (Hichucota, Cordillera Real). Ref. — Hering, 1961:4.

Genus LAMPROXYNELLA Hering

- LAMPROXYNELLA Hering, 1941a:163. Type-species, *Euribia heliodes* Hendel (orig. des.).
- Refs. — Hering, 1942a:11 (key); Aczél, 1952b:276, 1953c:365.
- BULLOCKI (Malloch), 1933:293, pl. 6, fig. 7 (wing) (*Trypanea*). Type-locality: Chile, San Rosendo. Distr. — Chile (Angol).
- DYSCOLA (Hendel), 1914b:68, pl. 3, fig. 59 (wing) (*Euribia*). Type-locality: Bolivia, Yungas Road. Distr. — Bolivia (Yungas). *discola*, error or emendation.
- EUARESTINA (Hendel), 1914b:69, pl. 3, fig. 61 (wing) (*Euribia*). Type-locality: Chile, Arica. Distr. — Chile (Arica).
- FUCATELLA (Hendel), 1914b:68 (*Euribia*). Type locality: Bolivia, La Paz. Distr. — Bolivia (La Paz), Argentina (Rio Negro: Bariloche, L. Correntoso).
- HELIODES (Hendel), 1914b:69, pl. 3, fig. 60 (wing) (*Euribia*). Type-locality: Peru, Mamara and Bolivia, Guaqui, Lake Titicaca. Distr. — Bolivia (Guaqui), Peru (Palco, Mamara), Chile (Puerto Blest, Angol),

Argentina (Rio Negro: L. Correntoso). Refs. — Hering, 1941a: 164; Hering, 1942a:12.

SEPARATA (Malloch), 1933:294, pl. 6, fig. 8 (wing) (*Trypanea*). Type-locality: Argentina, Buenos Aires. Distr. — Argentina (Buenos Aires).

Genus LILLOACIURA Aczél

LILLOACIURA Aczél, 1953a:191. Type-species, *curvinervis* Aczél (orig. des.).

CURVINERVIS Aczél, 1953a:191, figs. 56, 57, pl. 8, X (head, antenna, wing). Type-locality: Argentina, Mendoza, Cacheuta. Distr. — Argentina (Mendoza).

Genus LUCUMAPHILA Stone

LUCUMAPHILA Stone, 1939b:340. Type-species, *sagittata* Stone (orig. des.). Ref. — Stone, 1939b (revision).

ACIDUSA (Walker), 1849:1014 (*Trypeta*). Type-locality: "Jamaica". Distr. — Jamaica. Ref. — Stone, 1939b:349, fig. 16 (wing).

DENTATA Stone, 1939b:343, figs. 2, 11 (ovipositor, wing). Type-locality: Mexico, Jalisco, Tequila. Distr. — U.S.A. (Texas), Mexico (Jalisco).

HAMADRYAS Stone, 1939b:345, figs. 4, 15 (ovipositor, wing). Type-locality: Panama, La Campana. Distr. — Panama (La Campana).

HAMATA (Loew), 1873:229, pl. 11, fig. 22 (wing) (*Trypeta*). Type-locality: "Brazil". Distr. — Panama (Canal Zone: Balboa and Barro Colorado I.; La Campana), Brazil ("Amazon River"). Ref. — Stone, 1939b:349, figs. 6, 13 (ovipositor, wing).

HAMBLETONI (Lima), 1934a:519, pl. 67, fig. 23, pl. 74, fig. 58, text-fig. 20 (wing, ovipositor) (*Anastrepha*). Type-locality: Brazil, Minas Gerais, Viçosa. Distr. — Brazil (Minas Gerais). Ref. — Stone, 1939b:343.

LONGICAUDA (Lima), 1934a:525, pl. 68, fig. 25, pl. 74, fig. 53, text-fig. 23 (wing, ovipositor) (*Anastrepha*). Type-locality: Brazil, Amazonas, Rio Negro, Uaupés (= São Gabriel). Distr. — Brazil (Amazonas). Ref. — Stone, 1939b:347.

LUEDERWALDTI (Lima), 1934a:510, pl. 66, fig. 18, pl. 76, fig. 67, text-figs. 15-16 (wing, ovipositor, ♂ genitalia) (*Anastrepha*). Type-locality: Brazil, São Paulo, Ipiranga and Alto da Serra. Ref. — Stone, 1939b:342.

OBSCURA (Aldrich), 1925:5 (*Anastrepha*). Type-locality: Trinidad, Maraval. Distr. — Trinidad, Brazil. Ref. — Stone, 1939b:343, figs. 1, 10 (ovipositor, wing).

PROCURVATA (Blanchard), 1961:308, figs. 1a-d (wing, ovipositor) (*Anastrepha*). Type-locality: Argentina, Misiones, Zaimán, Estación Experimental I.N.T.A. Distr. — Argentina (Misiones).

SAGITTATA Stone, 1939b:347, figs. 5, 14 (ovipositor, wing). Type-locality: Mexico, Cuernavaca. Distr. — U.S.A. (Texas), Mexico, Panama (Canal Zone: Balboa).

URICHI (Greene), 1934:159, pl. 22, fig. 1 (wing) (*Anastrepha*). Type-locality: "Trinidad". Distr. — Trinidad. Ref. — Stone, 1939b:345, figs. 3, 12 (ovipositor, wing).

ZERNYI (Lima), 1934a:524, pl. 62, figs. 2-3 (female, wing) (*Anastrepha*).
Type-locality: "Brazil". Distr. — Brazil (Mato Grosso: Chapada dos Guimarães), Argentina (Misiones: Posadas; Corrientes: Bella Vista; Santa Fe). Ref. — Stone, 1939b:348.
parallelus Wiedemann (part), 1830:515 (*Dacus*).

Genus MELANOTRYPANA Hering

MELANOTRYPANA Hering, 1944a:14. Type-species, *Acanthiophilus benoisti* Séguy (orig. des.).
BENOISTI (Séguy), 1933:256, pl. 8, fig. 2 (wing) (*Acanthiophilus*). Type-locality: Ecuador, El Napo. Distr. — Ecuador (El Napo).

Genus MOLYNOCOELIA Giglio-Tos

MOLYNOCOELIA Giglio-Tos, 1893:11. Type-species, *lutea* Giglio-Tos (mon.).
LUTEA Giglio-Tos, 1893:11. Type-locality: Mexico, Tuxpango. Distr. — Mexico (Tuxpango). Ref. — Giglio-Tos, 1895:60, fig. 23 (wing).

Genus NEOACANTHONEURA Hendel

NEOACANTHONEURA Hendel, 1914a:82 (1914b:32). Type-species, *magnipennis* Hendel (orig. des.).
MAGNIPENNIS Hendel, 1914b:32. Type-locality: Peru, Callanga. Distr. — Peru (Callanga).

Genus NEOHEXACHAETA Lima

NEOHEXACHAETA Lima, 1953c:566. Type-species, *guatemalensis* Lima (orig. des.).
GUATEMALENSIS Lima, 1953c:566, pl. 2, figs. 11-12 (♂ genitalia, wing). Type-locality: Guatemala, Cayuga. Distr. — Guatemala (Cayuga).

Genus NEORHABDOCHAETA Malloch

NEORHABDOCHAETA Malloch, 1941b:124. Type-species, *anduzei* Malloch (orig. des.).
ANDUZEI Malloch, 1941b:124, figs. 1-3 (head, wing, ♂ genitalia). Type-locality: Venezuela, Carabobo, Valle Seco. Distr. — Venezuela (Carabobo).

Genus NEORHAGOLETIS Hendel

NEORHAGOLETIS Hendel, 1914a:91 (1914b:30). Type-species, *latifrons* Hendel (orig. des.).
LATIFRONS Hendel, 1914b:31, pl. 1, fig. 21 (wing). Type-locality: Bolivia, Cordillera. Distr. — Bolivia (Cordillera).

Genus NEOTEPHRITIS Hendel

NEOTEPHRITIS Hendel, 1935:54. Type-species, *Trypeta finalis* Loew (orig. des.).

- ABERRANS (Schiner), 1868:273 (*Oxyphora*). Type-locality: "Colombia". Distr. — Venezuela, Colombia.
- BRUESI (Bates), 1933a:168, fig. 2 (wing) (*Tephritis*). Type-locality: Jamaica, Newton. Distr. — Jamaica (Newton).
- CANCELLATA (Wulp), 1900:420, pl. 12, fig. 25 (wing) (*Tephritis*). Type-locality: Mexico, Guerrero, Amula. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:244.
- FINALIS (Loew), 1862a:222 (Cent. 2, n° 78) (*Trypeta*). Type-locality: U.S.A., California. Distr. — U.S.A. (many localities), Mexico (Durango, Jalisco, Guerrero, Veracruz, Guadalajara).
- MUNDELLI (Lima), 1936:158, pl. 1, figs. 1-4, pl. 2, figs. 5-7 (wings, ♂ genitalia, ovipositor) (*Tephritis*). Type-locality: Brazil, São Paulo. Distr. — Brazil (São Paulo).
- QUADRATA (Malloch), 1933:277, pl. 4, fig. 10 (wing) (*Trypanea*). Type-locality: Uruguay, Montevideo. Distr. — Brazil, Uruguay. Ref. — Hering, 1942a:15.
- RUFULA (Wulp), 1900:424, unnumbered text-fig. (wing) (*Euaresta*). Type-locality: Mexico, Veracruz, Atoyac. Distr. — Mexico (Veracruz). Ref. — Foote, 1965b:246.
- STAMINEA (Wulp), 1900:419, pl. 12, fig. 23 (wing) (*Tephritis*). Type-locality: Mexico, Veracruz, Orizaba. Distr. — Mexico (Veracruz). Ref. — Foote, 1965b:244.
- THAUMASTA (Hering), 1942a:15, fig. 9 (wing) (*Acanthiophilus*). Type-locality: "Ciudad" (?Mexico).

Genus OEDICARENA Loew

- OEDICARENA Loew, 1873:247. Type-species, *Trypeta tetanops* Loew (orig. des.).
- TETANOPS (Loew), 1873:245, pl. 11, fig. 15 (wing) (*Trypeta*). Type-locality: "Mexico". Distr. — Mexico. Ref. — Foote, 1960d:114.

Genus OSTRACOCOELIA Giglio-Tos

- OSTRACOCOELIA Giglio-Tos, 1893:10. Type-species, *mirabilis* Giglio-Tos (mon.).
- MIRABILIS Giglio-Tos, 1893:11. Type-locality: "Mexico". Distr. — Mexico (Guadalajara, Guerrero, Veracruz, Tampico). Ref. — Giglio-Tos, 1895:44, fig. 13 (wing).

Genus PARACANTHA Coquillett

- PARACANTHA Coquillett, 1899:264. Type-species, *Trypeta culta* Wiedemann (orig. des.).
- Carphotricha*, authors, not Loew.
- Refs. — Hering, 1940b (key, Neotropical species); Aczél, 1952a (morphology; key, Neotropical species).
- AUSTRALIS Malloch, 1933:271, pl. 3, fig. 13 (wing). Type-locality: Argentina, Misiones, Bonpland. Distr. — Uruguay (Colonia Suiza), Argentina (Misiones).
- culta* (Wiedemann), 1830:486, 680 (*Trypeta*, as *cutta*, p. 486). Type-locality: U.S.A., Savannah, Georgia. Not Neotropical.

- CULTARIS** (Coquillett), 1894:72 (*Trypeta*). Type-locality: U.S.A., southern California. Distr. — U.S.A. (many localities); Mexico (Durango, Jalisco, Guerrero, Veracruz), Guatemala, Costa Rica ?Haiti. Refs. — Malloch, 1941a:36, fig. 2 (apex of wing); Aczél, 1952a:221, text-fig. 3, pl. 1, B (head, ♂ genitalia, ovipositor, wing).
culta Wiedemann of Loew, 1862a:58, pl. 2, fig. 29 (wing).
culta Wiedemann of Wulp, 1899:405, pl. 2, fig. 30 (wing).
culturis, error.
- DENTATA** Aczél, 1952a:224, text-fig. 4, pl. 1, C (head, femur, ovipositor, wing). Type-locality: Peru, Huancabamba. Distr. — Peru (Huancabamba).
- GENTILIS** Hering, 1940b:53. Type-locality: U.S.A., Wyoming, Hunter's Creek. Distr. — U.S.A. (many localities), Mexico (Orizaba, Guanajuato). Ref. — Aczél, 1952a:233, text-fig. 7, pl. 3, G-H (head, ovipositor, ♂ genitalia, wing).
elongata Malloch, 1941a:41, fig. 8 (apex of wing) (as *mimetica* var.). Type-locality: U.S.A., New Mexico.
mexicana Malloch, 1941a:41, fig. 10 (apex of wing). Type-locality: Mexico, Guanajuato.
- HAYWARDI** Aczél, 1952a:237, text-fig. 8, pl. 2, E (head, ovipositor, wing). Type-locality: Argentina, Salta, Cerro San Bernardo. Distr. — Argentina (Salta).
- MULTIPUNCTA** Malloch, 1941a:38, fig. 4 (apex of wing). Type-locality: "Peru". Distr. — Peru.
- RUFICALLOSA** Hering, 1937:301, fig. 2 (wing). Type-locality: Costa Rica, 8 km west of San José, at farm La Caja. Distr. — Costa Rica (San José).
- SOBRINA** Hering, 1940b:53, fig. 3 (wing). Type-locality: Costa Rica, 8 km west of San José at Farm La Caja. Distr. — Costa Rica (San José).

Genus PARASTENOPE Hendel

- PARASTENOPE** Hendel, 1914a:88 (1914b:27). Type-species, *arcuata* Hendel (orig. des.).
- Mesaraelia* Blanchard, 1929:461. Type-species, *elegans* Blanchard (orig. des.).
- Kartabia* Curran, 1934a:434. Type-species, *anastrephoides* Curran (orig. des.).
 Ref. — Aczél, 1955c (morphology, key).
- ANASTREPHOIDES** (Curran), 1934a:434 (*Kartabia*). Type-locality: British Guiana, Bartica, Kartabo. Distr. — British Guiana (Kartabo).
 Ref. — Aczél, 1955c:174, text-figs. 1-7, pl. 1, A (head, antenna, palpus, ♀ abdomen, ovipositor, wing).
- ARCUATA** Hendel, 1914b:27, pl. 1, fig. 20 (wing). Type-locality: Bolivia, Songo. Distr. — Bolivia (Songo).
- ELEGANS** (Blanchard), 1929:462, figs. 1-12 (head, palpus, antenna, legs, wing, thorax, abdomen) (*Mesaraelia*). Type-locality: Argentina, Misiones. Distr. — Argentina (Misiones).

- GUTTATA Aczél, 1955c: 179, text-figs. 8-14, pl. 1, B (head, antenna, palpus, ♀ abdomen, ovipositor, ♂ genitalia, wing). Type-locality: Brazil, São Paulo, Salesópolis, Estação Biológica de Boracéia. Distr. — Brazil (São Paulo).
- MARCEITAE Bezzi & Tavares, 1916:155, fig. 1 (wing). Type-locality: Brazil, Rio de Janeiro, Nova Friburgo. Distr. — Brazil (Rio de Janeiro).
- MONTANA Aczél, 1955c:183, text-figs. 15-19, pl. 1, C (head, antenna, palpus, ♀ abdomen, wing). Type-locality: Argentina, Jujuy, Sierra Zapla. Distr. — Argentina (Jujuy).

Genus PAROXYNA Hendel

- PAROXYNA Hendel, 1927a:146. Type-species, *Trypeta tessellata* Loew (orig. des.).
- Ensina*, authors (part), not Robineau-Desvoidy.
- Stylia*, authors, not Robineau-Desvoidy.
- AESIA (Walker), 1849:1006 (*Trypeta*). Type-locality: Galapagos Is., St. James I. Distr. — Galapagos Is. (St. James I.). Ref. — Foote, 1964b:317.
- RASIFASCIATA Hering, 1941a:159, pl. 1, fig. 7 (wing). Type-locality: Peru, Suchabamba. Distr. — Peru (Suchabamba).
- BIGUTTA Hering, 1941a:160, pl. 1, fig. 2 (wing). Type-locality: Peru, Hacienda Huamuri. Distr. — Peru.
- BRASILIENSIS (Aczél), 1953b:279, text-figs. 3-5, pl. 20, B (head, palpus, ovipositor, wing) (*Trupanea*). Type-locality: Brazil, Anchieta [Guanabara or Espírito Santo (?)]. Distr. — Brazil (Guanabara or Espírito Santo).
- CASSARA (Walker), 1849:1026 (*Trypeta*). Type-locality: "Peru". Distr. — Peru. Ref. — Foote, 1964b:319.
- CLATHRATA (Loew), 1862b:80, pl. 2, fig. 5 (wing) (*Trypeta*). Type-locality: U.S.A., "Middle States". Distr. — U.S.A., Mexico (Guadalajara).
- CONSPERSA (Wulp), 1900:417, pl. 12, fig. 18 (wing) (*Ensina*). Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:243.
- mediana* Wulp, 1900:418, pl. 12, fig. 20 (wing) (*Ensina*). Type-locality: Mexico, Guerrero, Chilpancingo.
- CROCKERI Curran, 1934c:157, fig. 1 (wing). Type-locality: Galapagos Is., Indefatigable I. Distr. — Galapagos Is. (Is. of Albermale, Charles, James, So. Seymour, Jervis, Duncan).
- DESPECTA (Wulp), 1900:418, pl. 12, fig. 19 (wing) (*Ensina*). Type-locality: Mexico, Guerrero, Xucumanatlán. Distr. — U.S.A. (New Mexico), Mexico (Guerrero), ?Costa Rica.
- ENIGMA Hering, 1941a:161, pl. 1, fig. 6 (wing). Type-locality: Uruguay, "Buschental" (?). Distr. — Uruguay.
- EXTINCTA Hering, 1944a:11, fig. 8 (wing). Type-locality: Peru, Mamara. Distr. — Peru (Mamara).
- FIBULATA (Wulp), 1900:421, pl. 12, fig. 26 (wing) (*Tephritis*). Type-locality: Mexico, Orizaba. Distr. — Mexico (Orizaba). Ref. — Foote, 1965b:245.

- FLOCCOSA (Curran), 1928:73, fig. 31 (wing) (*Tephritis*). Type-locality: Virgin Is., St. John I. Distr. — Virgin Is. (St. John I.).
- FREYAE (Lindner), 1928:32, fig. 2 (wing) (*Trypanea*). Type-locality: Argentina, Sierra de Córdoba, mountain near La Falda. Distr. — Argentina (Córdoba).
- GUTTULARIS (Wulp), 1900:418, pl. 12, fig. 21 (wing) (*Ensina*). Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:244.
- LUCULENTA (Wulp), 1900:417, pl. 12, fig. 17 (wing) (*Ensina*). Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:243.
- OBSOLETA (Wulp), 1900:421, pl. 12, fig. 27 (wing) (*Tephritis*). Type-locality: Mexico, Veracruz, Orizaba. Distr. — Mexico (Veracruz). Ref. — Foote, 1965b:245.
- OPHELIA Hering, 1944a:12, fig. 3 (wing). Type-locality: "Mexico". Distr. — Mexico.
- SEMIFUSCA (Wulp), 1900:422, pl. 12, fig. 28 (wing) (*Tephritis*). Type-locality: Mexico, Durango, Ciudad. Distr. — Mexico (Mazatlán, Durango). Ref. — Foote, 1965b:245.
- intricata* Wulp, 1900:422, pl. 12, fig. 29 (wing) (*Tephritis*). Type-locality: Mexico, Durango, Ciudad.
- TAENIPENNIS Hering, 1941a:162, pl. 1, fig. 8 (wing). Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco).
- UMBRATA (Cresson), 1907:102, fig. 3 (wing) (*Tephritis*). Type-locality: Mexico, Guadalajara. Distr. — Mexico (Guadalajara).
- VENEZOLENSIS Hering, 1939:184, fig. 184 (wing). Type-locality: "Venezuela". Distr. — Venezuela.

Genus PHOBEMA Aldrich

- PHOBEMA Aldrich, 1925:7. Type-species, *atrox* Aldrich (orig. des.).
- ATROX Aldrich, 1925:7. Type-locality: Ecuador, Oriente, Baños. Distr. — Ecuador (Oriente).

Genus PLAUMANNIMYIA Hering

- PLAUMANNIMYIA Hering, 1938a:190. Type-species, *pallens* Hering (orig. des.).
- APICATA (Becker), 1919:195, pl. 17, fig. 5 (wing) (*Tephritis*). Type-locality: Ecuador, Riobamba, Tulcán, Troya. Distr. — Ecuador (Riobamba).
- COSTAEMACULATA Hering, 1940c:29. Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- PALLENS Hering, 1938a:190, fig. 3 (wing). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- RETICULATA (Hendel), 1914b:81, pl. 4, fig. 80 (wing) (*Trypanea*). Type-locality: Peru, valley of Lares, Cuzco, Tarma, Sicuaní, Arequipa, and Callabamba. Distr. — Peru, Bolivia (La Paz). Ref. — Hering, 1941a:158.

Genus POLIONOTA Wulp

POLIONOTA Wulp, 1899:409. Type-species, *Acrotoxa mucida* Giglio-Tos (orig. des.).

Polyonota, error or emendation.

Ref. — Hering, 1953:7 (key).

BECKERI Hering, 1953:7, fig. 6 (wing). Type-locality: Guatemala, Quezaltenango. Distr. — Guatemala (Quezaltenango).

MAGNIPENNIS Hendel, 1914b:27. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia (Mapiri, Sarampiuni).

MUCIDA (Giglio-Tos), 1893:10 (*Acrotoxa*). Type-locality: "Mexico". Distr. — Mexico (Guerrero). Ref. — Giglio-Tos, 1895: 58, fig. 21 (wing).

RADIANS Wulp, 1899:410, pl. 12, figs. 2, 2a (wing, ♀ abdomen). Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:240.

Genus POLYMORPHOMYIA SNOW

POLYMORPHOMYIA Snow, 1894:165. Type-species, *basilica* Snow (mon.).

Aczél (1953a) combined this genus with *Pseudeutreta*, using the latter name in a subgeneric sense. The two genera should be considered as separate, however, since the characters that separate them are distinct and clearly of generic value.

Ref. — Aczél, 1953a (revision).

BASILICA Snow, 1894:164, pl. 7, fig. 1 (wing). Type-locality: Dominican Republic, San Domingo. Distr. — Cuba (Soledad, Trinidad Mountains), Dominican Republic, Puerto Rico (Naguabo).

PILOSULA Wulp, 1899:411, pl. 12, fig. 4 (wing). Type-locality: Mexico, Tabasco, Teapa. Distr. — Mexico (Atoyac, Veracruz, Tabasco). Ref. — Foote, 1965b:240.

TRIDENTATA (Hendel), 1914b:58, pl. 3, fig. 46 (wing) (*Pseudeutreta*). Type-locality: Peru, Callanga and Paraguay, Asunción. Distr. — Peru (Callanga), Paraguay (Asunción), Argentina (Lapango, Pilcomayo, Laguna Oca, Formosa), Ecuador (El Topo). Ref. — Aczél, 1953a: 173, text-figs. 41, 42, pl. 7, W (♂ genitalia, wing).

Genus PROCECIDOCHARES Hendel

PROCECIDOCHARES Hendel, 1914a:91 (1914b:41, 42). Type-species, *Trypeta atra* Loew (orig. des.).

Oedaspis, authors, not Loew.

Ref. — Aczél, 1953a:125 (key, Neotropical species).

ATRA (Loew), 1862:219 (Cent. 2, n° 74) (*Trypeta*). Type-locality: U.S.A., New York. Distr. — U.S.A. (many localities), Mexico (northern Sonora, Chapingo). Ref. — Aldrich, 1929:7.

FLAVIPES Aldrich, 1929:5. Type-locality: Mexico, Baja California, Socorro I. Distr. — Mexico (Baja California).

MINUTA (Snow), 1894:164, pl. 6, fig. 2 (wing) (*Oedaspis*). Type-locality: U.S.A., Montana. Distr. — U.S.A., Mexico (Gulf of California). Ref. — Foote, 1962:176.

PLEURTICA Hendel, 1914b:43. Type-locality: Paraguay, San Bernardino. Distr. — Paraguay, San Bernardino.

UTILIS Stone, 1947:97. Type-locality: Mexico, Morelos, Cuernavaca. Distr. — Mexico (Morelos); introduced into and established in Hawaii and New Zealand for control of *Eupatorium adenophorum*.

Genus PROTENSINA Hendel

PROTENSINA Hendel, 1914a:95 (1914b:64). Type-species, *longiceps* Hendel (orig. des.).

BREVIOR Hennig in Hering, 1940a:12. Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco). Ref. — Hering, 1941a:153.

HYALIPENNIS Hennig in Hering, 1940a:13. Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco), Chile (Arica), Bolivia (La Paz). Ref. — Hering, 1941a:153.

LONGICEPS Hendel, 1914b:64. Type-locality: Peru, Cuzco and valley of Lares. Distr. — Peru (Cuzco, Valley of Lares). Ref. — Hering, 1940a:13, 1941a:152.

Genus PSEUDACROTAENIA Hendel

Acrotaenia, subg. PSEUDACROTAENIA Hendel, 1914a:98 (1914b:58). Type-species, *Carphotricha vespillo* Schiner (orig. des.).

APIATA (Wulp), 1899:415, pl. 12, fig. 12 (wing) (*Acrotaenia*). Type-locality: Mexico, Guerrero, Amula. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:242.

BREVIRADIATA (Hendel), 1914b:61 (*Acrotaenia*). Type-locality: Peru, Vilcanota. Distr. — Peru (Vilcanota). Ref. — Hering, 1941a:150.

COELESTIS (Hendel), 1914b:61, pl. 3, fig. 49 (wing) (*Acrotaenia*). Type-locality: Bolivia, Mapiri and San Carlos. Distr. — Bolivia (Mapiri, San Carlos), Brazil (Mato Grosso: Chapada dos Guimarães and Corumbá).

FORSTERI Hering, 1961:4, fig. 2 (wing). Type-locality: Bolivia, Mutun. Distr. — Bolivia (Mutun).

INCISA (Wulp), 1899:415, pl. 12, fig. 13 (wing) (*Acrotaenia*). Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:242.

PERTUSA Bates, 1934:14, fig. 5 (wing). Type-locality: Costa Rica, San Mateo, Higuato. Distr. — Costa Rica, Venezuela.

PSEUDOVESPILLO (Hendel), 1914b:60 (*Acrotaenia*). Type-locality: Not given [South America]. Distr. — Peru, Bolivia.

RICAVELATA (Hendel), 1914b:60, pl. 3, fig. 48 (wing) (*Acrotaenia*). Type-locality: Peru, Meshagua, Urubamba River, and Callanga. Distr. — Peru. Ref. — Hering, 1941a:150.

RUSTICA Bates, 1934:13, fig. 4 (wing). Type-locality: "Ecuador". Distr. — Ecuador.

VESPILLO (Schiner), 1868:275 (*Carphotricha*). Type-locality: "South America". Distr. — Peru (Pichis, mouth of Pachitea River), Venezuela, Bolivia (Mapiri, Sarampiuni, San Carlos, Chimate).



Genus PSEUDEUTRETA Hendel

PSEUDEUTRETA Hendel, 1914a:86 (1914b:56). Type-species, *Trypeta adspersa* Wiedemann (orig. des.).

Aczél (1953a) has erred in considering these species to be congeneric with those of *Polymorphomyia*. See remarks under the latter genus.

Ref. — Aczél, 1953a:149 (key).

ADSPERSA (Wiedemann), 1830:487 (*Trypeta*). Type-locality: "Brazil". Distr. — Brazil.

ANTEAPICALIS Hendel, 1914b:57. Type-locality: Brazil, Rio Grande do Sul and Paraguay, Asunción. Distr. — Brazil (Rio Grande do Sul), Paraguay (Asunción), Argentina (many localities). Ref. — Aczél, 1953a:157, text-figs. 21-27, pl. 5, N (head and appendages, ♂ genitalia, abdomen, ovipositor, wing).

BACCHARIDIS (Kieffer & Jörgenson), 1910:370, fig. 6 (wing) (*Aciura*). Type-locality: Argentina, Mendoza: Pedregal, San Ignacio, and Chacras de Coria. Distr. — Argentina (Mendoza).

FALCIGERA (Kieffer & Jörgenson), 1910:371, fig. 7 (wing) (*Aciura*). Type-locality: Argentina, Mendoza: Pedregal, San Ignacio, and Chacras de Coria. Distr. — Argentina (Mendoza).

ILONAE (Aczél), 1953a:161, text-figs. 28-30, pl. 7, U (head, antenna, epanthrium, wing) (*Polymorphomyia*). Type-locality: Argentina, Tucumán, San Pedro de Colalao. Distr. — Argentina (Tucumán). N. COMB.

LIGULARIS Bates, 1933b:52, fig. 3 (wing). Type-locality: Bolivia, Sara. Distr. — Bolivia (Sara), Argentina (Misiones), Brazil (São Paulo). Ref. — Aczél, 1953a:163, text-figs. 31-33, pl. 5, O (head, abdomen, ♂ genitalia, wing).

NOBILIS (Aczél), 1953a:165, fig. 34 (head) (*Polymorphomyia*). Type-locality: Argentina, Santa Fe, Piquete. Distr. — Argentina (Santa Fe). N. COMB.

ORFILAI (Aczél), 1953a:168, text-figs. 35-38, pl. 5, P (head, ♂ genitalia, abdomen, wing) (*Polymorphomyia*). Type-locality: Argentina, Córdoba, Arguello. Distr. — Argentina (San Luis, Tucumán, Córdoba). N. COMB.

PARAGRANUM Hering, 1942a:4, fig. 5 (wing). Type-locality: Argentina, Salta, 2500 m. Distr. — Argentina (Salta, Jujuy, Tucumán, Mendoza, Santa Fe). Ref. — Aczél, 1953a:170, text-figs. 39, 40, pl. 7, V (head, abdomen, wing).

QUADRIGUTTA (Walker), 1852:386 (*Trypeta*). Type-locality: "South America". Distr. — "South America". Ref. — Foote, 1964b:323.

Genus PSEUDODACUS Hendel

Anastrepha, subg. PSEUDODACUS Hendel, 1914a:97 (1914b:13). Type-species, *Anastrepha daciformis* Bezzi (orig. des.).

Ref. — Stone, 1939a (revision).

- BICOLOR** Stone, 1939a:288, text-fig. 4, pl. 27, fig. 4 (ovipositor, wing). Type-locality: U.S.A., Texas, Edinburg. Distr. — U.S.A. (Texas), Mexico (Morelos).
- DACIFORMIS** (Bezzi), 1909:283, fig. 2 (wing) (*Anastrepha*). Type-locality: Brazil, São Paulo. Distr. — Paraguay, Argentina, Bolivia, Brazil. Ref. — Stone, 1939a:286, text-fig. 3, pl. 27, fig. 3 (ovipositor, wing).
- MACRURUS** (Hendel), 1914b:16 (*Anastrepha*). Type-locality: Paraguay, San Bernardino. Distr. — Paraguay (San Bernardino), Argentina (Loreto, Misiones), Brazil (Bahia). Ref. — Stone, 1939a:285, text-fig. 2, pl. 27, fig. 2 (ovipositor, wing).
- PALLENS** (Coquillett), 1904a:35 (*Anastrepha*). Type-locality: U.S.A., Texas, Brownsville. Distr. — U.S.A. (Texas), Mexico (Tamaulipas, Yauatepec), Honduras (Tegucigalpa). Ref. — Stone, 1939a:283, text-fig. 1, pl. 27, fig. 1 (ovipositor, wing).

Genus PSEUDOEDASPIS Hendel

- PSEUDOEDASPIS** Hendel, 1914a:86 (1914b:44). Type-species, *biseta* Hendel (orig. des.).
Ref. — Aczél, 1953a:179 (key).
- BISETA** Hendel, 1914b:44. Type-locality: Argentina, Rivadavia. Distr. — Argentina (Neuquén, Río Colorado, Vista Flores, Uspallata, Rivadavia). Ref. — Aczél, 1953a:179, text-figs. 64, 65, pl. 6, S (head, palpus, wing).
- MENDOZANA** Aczél, 1953a:182, text-figs. 62, 63, pl. 6, T (head, palpus, wing). Type-locality: Argentina, Mendoza, Chacras de Coria. Distr. — Argentina (Mendoza).
- OREIPLANA** (Kieffer & Jörgenson), 1910:434, fig. 58 (wing) (*Trypeta*). Type-locality: Argentina, Mendoza, "Cordillera". Distr. — Argentina (Mendoza).

Genus PSEUDOPHORELLIA Lima

- PSEUDOPHORELLIA** Lima, 1934c:139. Type-species, *maculata* Lima (orig. des.).
- MACULATA** Lima, 1934c:140, text-fig. 1, pl. 1, figs. 1, 3 (♂ genitalia, wing, abdomen). Type-locality: Brazil, Guanabara, Rio de Janeiro, Praia Vermelha, Escola Superior de Agricultura. Distr. — Brazil (Guanabara). Ref. — Lima, 1953a: fig. 4 (wing of holotype).
- STONEI** Lima, 1953a:151, figs. 1-3 (wing, ovipositor, spermatheca). Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone).

Genus PSEUDOPOLIONOTA Lima

- PSEUDOPOLIONOTA** Lima, 1935b:200. Type-species, *radians* Lima (orig. des.).
- RADIANS** Lima, 1935b:202, figs. 1-5 (wing, ♀ abdomen, ovipositor, front and side views of head). Type-locality: Brazil, Guanabara, Rio de Janeiro, Corcovado, Paineiras. Distr. — Brazil (Guanabara).

Genus PYRGOTOIDES Curran

PYRGOTOIDES Curran, 1934b:289. Type-species, *crassipes* Curran (orig. des.).
 CRASSIPES Curran, 1934b:289, figs. 40, 57 (head, wing). Type-locality: "Panama". Distr. — Panama.

Genus RHACHIPTERA Bigot

RHACHIPTERA Bigot, 1859:313. Type-species, *limbata* Bigot (mon.).
Percnoptera Philippi, 1873:307. Type-species, *angustipennis* Philippi = *limbata* Bigot (mon.).
Eupterocalla Brèthes, 1916:12: Type-species, *opazoi* Brèthes = *limbata* Bigot (orig. des.).
 RIARCUATA Hendel, 1914b:54. Type-locality: Chile, Concepción. Distr. — Chile (Concepción).
 LIMBATA Bigot, 1859:313. Type-locality: "Chile". Distr. — Bolivia (La Paz), Chile (Concepción), Argentina (Mendoza, San Luiz). Ref. — Stuardo Ortiz, 1929:345, figs. 80, 81 (description of galls, immature stages) (as *angustipennis*).
angustipennis Philippi, 1873:306 (*Percnoptera*). Type-locality: "Chile".
opazoi Brèthes, 1916:12, fig. 1 (wing) (*Eupterocalla*). Type-locality: Chile, La Serena.
 PERCNOPTERA Hendel, 1914b:53, pl. 2, fig. 40 (wing). Type-locality: Chile, Taltal and Rancagua. Distr. — Chile.
 VIRGINALIS Hering, 1942a:8, fig. 3 (wing). Type-locality: "Brazil". Distr. — Brazil.

Genus RHAGOLETIS Loew

RHAGOLETIS Loew, 1862c:44. Type-species, *Musca cerasi* Linnaeus (mon.).
 Ref. — Aczél, 1954a:76 (key, Neotropical species).
 BLANCHARDI Aczél, 1954a:78, text-figs. 1-8, pl. 1, A (head, antenna, palpus, ♂ genitalia, ovipositor, ♀ abdomen, wing). Type-locality: Argentina, Salta, Arundel. Distr. — Argentina (Salta, Tucumán, La Caverna, Sierra de Córdoba).
ochraspis Wiedemann of Blanchard in Hayward, 1942:32.
 CONVERSA (Brèthes), 1919:43, fig. 10 (wing) (*Spilographa*). Type-locality: Chile, Río Blanco. Distr. — Chile (Río Blanco).
 FERRUGINEA Hendel, 1927b:64. Type-locality: Brazil, Santa Cruz (?). Distr. — Argentina (Brazo Largo and San Miguel, Buenos Aires), Uruguay (Montevideo), Brazil (Pedras Altas, Rio Grande do Sul). Ref. — Aczél, 1951b:271, text-figs. 27-34, pl. 1, C (head, ♀ abdomen, ovipositor, ♂ genitalia, wing).
 JUGLANDIS Cresson, 1920:65. Type-locality: U.S.A., Arizona, Huachuca Mts., Carr Canyon. Distr. — U.S.A. (several localities), Mexico highlands south to Durango. Ref. — Bus, 1966:490.
 LYCOPERSELLA Smyth, 1960:16, figs. 1-3 (adult, wing, damage). Type-locality: Peru, Río Chicama, near Trujillo. Distr. — Peru.
 MACQUARTH (Loew), 1873:267 (*Trypeta*; nom. nov. for *scutellaris* Macquart). Type-locality: Brazil, Goiás. Distr. — Brazil (Goiás).
scutellaris Macquart, 1851:261 (separate, p. 288), pl. 26, fig. 15 (wing) (*Urophora*; preoc. Wiedemann, 1830). Type-locality: Brazil, Goiás.

- METALLICA (Schiner), 1868:265 (*Spilographa*). Type-locality: "South America". Distr. — Venezuela, Peru (Arequipa). Ref. — Hering, 1941a:142.
- NOVA (Schiner), 1868:264 (*Spilographa*). Type-locality: "Chile". Distr. — Chile, Peru. Ref. — Hering, 1941a:142.
- OCHRASPIS (Wiedemann), 1830:466 (*Ortalis*). Type-locality: "Brazil". Unrecognized.
- POMONELLA (Walsh), 1867:343, fig. 2 (adult dorsum) (*Trypeta*). Type-locality: U.S.A., Illinois. Distr. — U.S.A., (many localities), northern Mexico.
- PSALIDA Hendel, 1914b:30. Type-locality: Peru, Cuzco and Urubamba. Distr. — Peru. Ref. — Hering, 1941a:142.
- RHYTIDA Hendel, 1914b:30. Type-locality: Bolivia, La Paz, and Yungas Road. Distr. — Bolivia.
- STRIATELLA Wulp, 1899:408, pl. 11, fig. 30 (wing). Type-locality: Mexico, Guerrero, Amula. Distr. — U.S.A. (several localities), Mexico (Tlaxcala, Mexico, Guerrero). Ref. — Foote, 1965b:239.
- WILLINCKI Aczél, 1950:319, text-fig. 4, pl. 1, C (head, ovipositor, wing). Type-locality: Argentina, Neuquén, Villa Angostura. Distr. — Argentina (Neuquén).
- ZOQUI Bush, 1966:493, figs. 20, 29, 61, 78, 133, 196, 223 (ovipositor, head, abdomen, ♂, ♀ genitalia, wing, chromosomes). Type-locality: Mexico, Hidalgo, Zacualtipán. Distr. — Mexico (Hidalgo).

Genus RHAGOLETOIDES Foote

- RHAGOLETOIDES Foote, 1960c:145. Type-species, *Spilographa latifrons* Wulp (orig. des.).
- LATIFRONS (Wulp), 1899:407, pl. 11, fig. 26 (wing) (*Spilographa*). Type-locality: Mexico, Durango, Ciudad. Distr. — U.S.A. (Arizona), Mexico (Guerrero, Quaretero, Durango, Veracruz, Guadalajara, D.F., Puebla). Ref. — Foote, 1960c:146.
- obfuscata* Wulp, 1899:406, pl. 11, fig. 25 (wing) (*Spilographa*). Type-locality: Mexico, Guerrero, Omilteme.

Genus RHAGOLETOTRYPETA Aczél

- RHAGOLETOTRYPETA Aczél, 1950:313. Type-species, *xanthogastra* Aczél (orig. des.).
- Serpentinographa* Aczél, 1950:308. Type-species, *argentinensis* Aczél, (orig. des.).
- Chaetorhagoletis* Blanchard, in Aczél, 1954b:138. *Nomen nudum*.
- Refs. — Aczél, 1954b:142 (morphology, key); Foote, 1966b (review).
- ANNULATA Aczél, 1954b:142, text-figs. 13-15, pl. 2, B (head, palpus, ♂ genitalia, wing). Type-locality: Mexico, San Luis Potosí, Tamazunchale. Distr. — U.S.A. (Texas), Mexico (San Luis Potosí).
- ARGENTINENSIS (Aczél), 1950:308, text-figs. 1, 2A, pl. 1, A (head, ovipositor, ♂ abdomen, mesonotum, wing) (*Serpentinographa*). Type-locality: "Argentina". Distr. — Argentina.
- PASTRANAI Aczél, 1954b:146, text-figs. 5-12, pl. 2, A (head, antenna, ♂ and ♀ abdomens, ♂ genitalia, wing). Type-locality: Argentina, Córdoba, San Javier, Sierra Zapla. Distr. — Argentina (Córdoba).

XANTHOGASTRA Aczél, 1950:315, text-figs. 2B, 3, pl. 1, B (head, ovipositor, mesonotum, wing). Type-locality: Argentina, Tucumán, Villa Padre Monte. Distr. — Argentina (San Javier, Sierra Tala, Córdoba; Tucumán). Ref. — Aczél, 1954a:150, figs. 1-4 (antenna, palpus, ♂ genitalia).

Genus RHITHRUM Hendel

RHITHRUM Hendel, 1914a:85 (1914b:45). Type-species, *rivulatum* Hendel (orig. des.).

Ref. — Aczél, 1953a:176 (key).

RIVULATUM Hendel, 1914b:45. Type-locality: Bolivia, Guaqui, Lake Titicaca and Peru, Cuzco. Distr. — Peru, Bolivia. Ref. — Hering, 1941a:147.

VITTATUM Aczél, 1953a:176, text-figs. 60, 61, pl. 6, R (head, abdomen, wing). Type-locality: Argentina, Mendoza, Potrerillos. Distr. — Argentina (Mendoza).

Genus STONEOLA Hering

STONEOLA Hering, 1941a:140. Type-species, *Anastrepha fuscobasalis* Hering (orig. des.).

FUSCOBASALIS (Hering), 1935:226, fig. 1 (wing) (*Anastrepha*). Type-locality: Peru, Chanchamayo. Distr. — Peru (Chanchamayo). Ref. — Hering, 1941a:141.

Genus STROBELIA Rondani

STROBELIA Rondani, 1868:29. Type-species, *baccharidis* Rondani (Hendel, 1914a:93).

ALBOGUTTATA Hendel, 1914b:52, pl. 2, fig. 39 (wing). Type-locality: Chile, Talcahuano. Distr. — Chile (Talcahuano).

BACCHARIDIS Rondani, 1868:29. Type-locality: Argentina, Buenos Aires. Distr. — Argentina (Buenos Aires, Mendoza, Córdoba). Ref. — Bruch & Blanchard, 1940:85, text-figs. 1-4, pl. 1 (details of larva, wing, damage).

scudderi Weyenbergh, 1882:363, figs. 1-3 (female, wing, head) (*Trypeta*). Type-locality: Argentina, Córdoba.

cuculi Kieffer & Jörgenson, 1910:372, 397, fig. 26 (wing) (*Trypeta*). Type-locality: Argentina, Mendoza, Pedregal, Chacras de Coria.

BIMACULATA Hendel, 1914b:52, pl. 2, fig. 37 (wing). Type-locality: Brazil, Rio Grande do Sul. Distr. — Brazil (Rio Grande do Sul).

FERRUGINA Hendel, 1928:369. Type-locality: Argentina, Mendoza. Distr. — Argentina (Mendoza).

LUTULENTA Hendel, 1914b:52, pl. 2, fig. 38. Type-locality: Argentina, Rivadavia. Distr. — Argentina (Rivadavia).

PARALLELA Hendel, 1914b:51, pl. 2, fig. 36. Type-locality: Peru, Callanga and Bolivia, Mapi, Sarampiuni. Distr. — Peru, Bolivia. Ref. — Hering, 1941a:149.

RUBIGINOSA Rondani, 1868:30. Type-locality: Argentina, Mendoza. Distr. — Argentina (Mendoza).

Genus TEPHRITIS Latreille

TEPHRITIS Latreille, 1804:196. Type-species, *Musca arnicae* Linnaeus (Cresson, 1914:278).

Ref. — Hering, 1944b:17 (key, World species).

ALDRICHI (Aczél), 1953b:278; text-figs. 1, 2, pl. 20, A (head, fore tibia and tarsi, wing) (*Trypanea*). Type-locality: Peru, Saha Parish. Distr. — Peru. N. comb.

AORISTA (Hendel), 1914b:82, pl. 4, fig. 82 (wing) (*Trypanea*). Type-locality: Chile, Valparaíso. Distr. — Chile (Valparaíso), Argentina (Rio Negro: L. Gutierrez, Bariloche).

ARANEOSA (Coquillett), 1894:74 (*Trypeta*). Type-locality: U.S.A., southern California. Distr. — U.S.A. (many localities), Mexico (Ensenada, Baja California).

CALIFORNICA Doane, 1899:190, pl. 4, fig. 7 (wing). Type-locality: U.S.A., California. Distr. — U.S.A. (California), northern Mexico. Ref. — Foote, 1960a:76.

DIESPASMENA Schiner, 1868:271. Type-locality: "Chile". Distr. — Chile (common and widely distributed in south), Argentina (Chubut, Rio Negro, Neuquén). Ref. — Aczél, 1953b:281, text-figs. 6-8, pl. 20, C, E (fore tibia and tarsi, head, ovipositor, wings).

virabeni Blanchard in Havrylenko & Winterhalter, 1949:42 (*Trypanea*). *Nomen nudum*.

SETULOSA (Malloch), 1933:281, pl. 5, fig. 4 (wing) (*Trypanea*). Type-locality: Argentina, Rio Negro, L. Gutierrez. Distr. — Argentina (Rio Negro), Chile (Llanquihue).

SIMULATA (Malloch), 1933:295, pl. 6, fig. 12 (wing) (*Trypanea*). Type-locality: Argentina, Rio Negro, L. Gutierrez. Distr. — Argentina (Rio Negro). Ref. — Aczél, 1953b:285, pl. 20, D (wing).

STONEI (Stuardo Ortiz), 1946:136 (*Trypanea*; nom. nov. for *diversa* Malloch). Type-locality: Chile, Llanquihue, Chiloe I.: Puntra. Distr. — Argentina (Rio Negro), Chile (Llanquihue).

diversa Malloch, 1933:296, pl. 6, fig. 11 (wing) (*Trypanea*; preocc. Wiedemann, 1830). Type-locality: Chile, Llanquihue, Chiloe I.: Puntra.

SUBRADIATA Wulp, 1900:420, pl. 12, fig. 24 (wing). Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:244.

TRIPUNCTA (Malloch), 1933:281, pl. 5, fig. 3 (wing) (*Trypanea*). Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina (Rio Negro), Chile (Llanquihue).

UNICOLOR Walker, 1837:358. Type-locality: Chile, Tierra del Fuego, Port Famine. Ref. — Foote, 1964b:324 (as *Trypanea*).

Genus TETREUARESTA Hendel

TETREUARESTA Hendel, 1928:368. Type-species, *Trypeta obscuriventris* Loew (orig. des.).

ANGUSTIPENNIS (Wulp), 1900:425, unnumbered text-fig. (wing) (*Euaresta*). Type-locality: Mexico, D.F. Distr. — Mexico (D.F.). Ref. — Foote, 1965b:246.



- BARTICA Bates, 1933b:53, fig. 4 (wing). Type-locality: British Guiana, Bartica. Distr. — British Guiana (Bartica).
- COPIOSA Hering, 1942b:287, fig. 10 (wing). Type-locality: Brazil, Minas Gerais, São João del Rei. Distr. — Brazil (Minas Gerais).
- CRENULATA (Wulp), 1900:423, unnumbered text-fig. (wing) (*Euaesta*). Type-locality: Mexico, Guerrero, Chilpancingo. Distr. — Mexico (Guerrero, Veracruz). Ref. — Foote, 1965b:246.
- DELETA Hering, 1941b:478, fig. 5 (wing). Type-locality: Brazil, Pernambuco. Distr. — Brazil (Pernambuco).
- ELLIPTA (Hendel), 1914b:73, pl. 4, fig. 66 (wing) (*Euaesta*). Type-locality: Bolivia, Mapiro, San Carlos and Peru, valley of Lares, Pichis Road, Callanga. Distr. — Peru, Bolivia. Ref. — Hering, 1941a:155.
- ellipta*, error.
- LATA Hering, 1941b:478, fig. 4 (wing). Type-locality: Paraguay, Asunción. Distr. — Paraguay (Asunción).
- MYRTIS (Hendel), 1914b:73, pl. 4, fig. 67 (wing) (*Euaesta*). Type-locality: Peru, Chanchamayo, Pinipini and Bolivia, Songo, Vilcanota. Distr. — Peru, Bolivia. Ref. — Hering, 1941a:155.
- OBSCURIVENTRIS (Loew), 1873:313, pl. 10, fig. 26 (wing) (*Trypeta*). Type-locality: "Brazil". Distr. — Puerto Rico, Jamaica, Cuba, ?Bolivia, ?Colombia, Brazil; introduced to Hawaii and Fiji to control *Elephantopus mollis*. Ref. — Hering, 1941a: 155.
- catharinensis* Enderlein, 1911:431 (*Euaesta*). Type-locality: Brazil, Santa Catarina.
- columbiana* Enderlein, 1911:431 (*Euaesta*). Type-locality: Colombia, Hacienda Pehike.
- PHTHONERA (Hendel), 1914b:74, pl. 4, fig. 68 (wing) (*Euaesta*). Type-locality: Peru, Callanga. Distr. — Peru (Callanga). Ref. — Hering, 1941a:155.
- PLATYPTERYX Hering, 1940a:12, fig. 1 (wing) (as *tímida* ssp.). Type-locality: Venezuela, Maracay. Distr. — Venezuela (Maracay).
- PLAUMANNI Hering, 1953:10, fig. 9 (wing). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- PUNCTIPENNATA Hering, 1941b:476, fig. 3 (wing). Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- punctipennis* Hering, 1942b:287 (error).
- RUFULA Hering, 1942b:286, fig. 9 (wing). Type-locality: Colombia, Cordillera. Distr. — Colombia (Cordillera).
- SCITULA (Wulp), 1900:425, unnumbered text-fig. (wing) (*Euaesta*). Type-locality: Mexico, northern Sonora. Distr. — Mexico (Sonora). Ref. — Foote, 1965b:246.
- SPECTABILIS (Loew), 1873:309, pl. 10, fig. 27 (wing) (*Trypeta*). Type-locality: "Brazil". Distr. — ?British Guiana, Brazil, (Kartabo), Bolivia (Mapiro, San Carlos), Peru (Meshagua, Urubamba River). Ref. — Hering, 1941a:156.
- TIMIDA (Loew), 1862a:221 (Cent. 2, n° 76) (*Trypeta*). Type-locality: "Mexico". Distr. — Mexico (Guadalajara).



Genus TOMOPLAGIA Coquillett

Plagiotoma Loew, 1873:252 (preocc. Dujardin, 1841). Type-species, *Trypeta obliqua* Say (Coquillett, 1910:591).

TOMOPLAGIA Coquillett, 1910:591, 615 (nom. nov. for *Plagiotoma* Loew). Type-species, *Trypeta obliqua* Say (aut.).

Refs. — Aczél, 1955a (revision, Neotropical species); Aczél, 1955b (morphology, key).

ABERRANS Aczél, 1954b:157, text-figs. 28-31, pl. 2, D (head, ♀ abdomen, ♂ genitalia, wing). Type-locality: Brazil, Minas Gerais, Uberaba. Distr. — Brazil (Minas Gerais).

ARGENTINIENSIS Aczél, 1955a:337, text-figs. 98a-d, 102, n, pl. 22, fig. 13 (head, palpus, mesonotum, ♂ abdomen and genitalia, wing). Type-locality: Argentina, Tucumán, Quebrada de Caizo, nr. Tafi Viejo. Distr. — Argentina (Tucumán).

ARSINOE Hering, 1942b:285. Type-locality: Colombia, Cordillera. Distr. — Colombia (Cordillera).

ATELESTA Hendel, 1914b:37. Type-locality: Bolivia, Mapiro, San Carlos, Sarampuni, San Antonio, Suapi. Distr. — Bolivia.

ATIMETA Hendel, 1914b:35, pl. 2, fig. 25 (wing). Type-locality: Bolivia, Mapiro, Sarampuni, Bellavista. Distr. — Bolivia.

BISERIATA (Loew), 1873:252 (*Trypeta*). Type-locality: "Brazil". Distr. — Ecuador, Brazil.

BREVIPALPIS Aczél, 1955a:339, figs. 91, 97e, pl. 19, fig. 2 (head, palpus, ♂ abdomen and genitalia, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (El Cermeño).

CARRERAI Aczél, 1955a:341, figs. 96a-c, 97, pl. 21, fig. 9 (head, palpus, ♂ abdomen and genitalia, wing). Type-locality: Brazil, São Paulo, São Sebastião I., Castelhanos Bay. Distr. — Brazil (São Paulo).

CONJUNCTA Hendel, 1914b:38. Type-locality: Peru and Bolivia, Songo. Distr. — Peru, Bolivia. Ref. — Hering, 1941a:144.

COSTALIMAI Aczél, 1955a:344, figs. 98e-i, 102o-p, pl. 22, fig. 14 (head, palpus, ovipositor, ♂ abdomen and genitalia, ♀ abdomen, wing). Type-locality: Argentina, Entre Rios, Concórdia. Distr. — Argentina (Entre Rios, Misiones, Oriente, Tucumán).

CRESSONI Aczél, 1955a:347, figs. 95g-k, 97c-d, pl. 20, fig. 4 (head, palpus, ♂ abdomen and genitalia, ♀ abdomen and ovipositor sheath, wing). Type-locality: U.S.A., California, Ontario. Distr. — U.S.A. (many localities), northern Mexico.

DEFLORATA Hering, 1937:296. Type-locality: Costa Rica, 8 km west of San José at Farm La Caja. Distr. — Guatemala (Guatemala City) Costa Rica (San José), Panama (El Cermeño, La Campana, Arraijan), Antigua. Ref. — Aczél, 1955a:350, figs. 92, 97f, pl. 19, fig. 3 (head, palpus, ♂ abdomen and genitalia, ♀ abdomen and ovipositor, wing).

DIAGRAMMA Hendel, 1914b:36. Type-locality: Peru, Urubamba River, Umu-huankiali. Distr. — Peru (Umuhuankiali). Ref. — Hering, 1914a:144.

- DISCOLOR** (Loew), 1862b:64, pl. 2, fig. 1 (*Trypeta*). Type-locality: "Cuba".
Distr. — Cuba, Puerto Rico (Mayaguez). Ref. — Aczél, 1955a: 353, fig. 97g, pl. 20, fig. 6 (♀ abdomen, wing).
- obliqua** Bigot, 1857b:328 (*Tephritis*). Type-locality: "Cuba".
- FIEBRIGI** Hendel, 1914b:40. Type-locality: Paraguay, La Cordillera, San Bernardino. Distr. — Argentina (Córdoba, Piquete, Corrientes, Chaco, Jujuy, Formosa, Tucumán), Paraguay (La Cordillera). Ref. — Aczél, 1955a:355, figs. 98j-o, 102j-k, pl. 22, fig. 15 (head, palpus, ♂ genitalia, ovipositor, wing).
- FORMOSA** Aczél, 1955a:358, figs. 98p-s, 102v, pl. 23, fig. 16 (head, palpus, ovipositor, ♀ abdomen, wing). Type-locality: Argentina, Formosa, Misión Laishi. Distr. — Argentina (Formosa).
- HERINGI** Aczél, 1955a:360, figs. 99c, e, 102s, pl. 23, fig. 17 (palpus, wing, ♀ abdomen and ovipositor, wing). Type-locality: Paraguay, Villarrica. Distr. — Paraguay.
- INCOMPLETA** (Williston), 1896:378 (*Trypeta*). Type-locality: St. Vincent. Distr. — Puerto Rico (Maricao, Mayaguez), St. Kitt's I. (Stapleton), St. Vincent, Paraguay, Argentina (many localities). Ref. — Aczél, 1955a:362, figs. 99h-m, 102l-m, pl. 22, fig. 12 (head, palpus, ♂ genitalia, ovipositor, wing).
- JONASI** (Lutz & Lima), 1918:10, fig. 24 (wing) (*Plagiotoma*). Type-locality: Brazil, Mato Grosso, Utiariti. Distr. — Brazil (Mato Grosso, Guanabara). Ref. — Lima, 1934b:118, fig. 2 (♂ genitalia).
- KELLOGGI** Aczél, 1955a:365, figs. 99a-b, 102g, pl. 23, fig. 18 (head, palpus, ♂ abdomen, wing). Type-locality: Peru, Río Charape. Distr. — Peru (Río Charape).
- MINATTAI** Aczél, 1955a:368, figs. 99f-g, 102i, pl. 24, fig. 19 (head, palpus, ♀ abdomen, wing). Type-locality: Argentina, Entre Rios, Concordia. Distr. — Argentina (Entre Rios).
- MINUTA** Hering, 1938a:187, fig. 1 (wing). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (São Paulo, Santa Catarina). Ref. — Aczél, 1955a:370, figs. 95f, 97h, pl. 21, fig. 10 (head, ♂ abdomen, wing).
- MONOSTIGMA** Hendel, 1914b:38, pl. 2, fig. 27 (wing). Type-locality: Peru, valley of Lares. Distr. — Peru (Rosalina, Callanga, valley of Lares, Tingo María, Varias-Aguaytía, San Bartolomé). Refs. — Hering, 1941a:145; Aczél, 1955a:373, figs. 95a-e, 97i, pl. 20, fig. 8 (head, ovipositor, scutellum, postscutellum, ♀ abdomen, wing).
- OBLIQUA** (Say), 1830:186 (1859:370) (*Trypeta*). Type-locality: U.S.A., Indiana. Distr. — U.S.A., (many localities, eastern), Mexico (Veracruz, Orizaba and Atoyac), ?Cuba. Ref. — Benjamin, 1934:32, figs. 25a-l (larva, pupa, head, palpus, ♂ genitalia, ovipositor, wing).
- OVALIPALPIS** Aczél, 1955a:374, figs. 100a-e, 102w, pl. 24, fig. 20 (head, palpus, ♀ abdomen and ovipositor, wing). Type-locality: Brazil, São Paulo, Itanhaém. Distr. — Brazil (São Paulo).
- PENICILLATA** Hendel, 1914b:39. Type-locality: Peru, Callanga. Distr. — Peru (Callanga). Ref. — Hering, 1941a:145.
- PHAEDRA** Hendel, 1914b:38. Type-locality: Peru, Rosalina, Urubamba River. Distr. — Peru (Urubamba River), Argentina (Corrientes, Santa Fe, Tucumán, Misiones). Ref. — Aczél, 1955a:378, figs. 100h-l, 102c-d, pl. 24, fig. 21 (head, palpus, ♂ abdomen and genitalia, ♀ abdomen and ovipositor, wing).

- PLEURALIS** Hendel, 1914b:39. Type-locality: Peru, Callanga. Distr. — Peru (Callanga, Río Charape), Ecuador (Hacienda Parish), Argentina (Corrientes, Córdoba, Chaco). Refs. — Hering, 1941a:145; Aczél, 1955a:381, figs. 100f-g, 102h, pl. 25, fig. 22 (head, palpus, ♂ abdomen, wing).
- PROPLEURALIS** Aczél, 1955a:385, fig. 94, pl. 20, fig. 5 (head, thorax, ♀ abdomen, wing). Type-locality: Puerto Rico, Adjuntas, Petri Finca. Distr. — Puerto Rico (Adjuntas).
- PSEUDOPENICILLATA** Aczél, 1955a:387, figs. 93, 97k, pl. 19, fig. 4 (head, midtibia, mesonotum, ♂ abdomen and genitalia, wing). Type-locality: Brazil, near São Paulo. Distr. — Brazil (São Paulo).
- PUNCTATA** Aczél, 1955a:390, figs. 100m-p, 102t, u, pl. 25, fig. 23 (head, palpus, ♂ abdomen, ♀ abdomen and ovipositor, wing). Type-locality: Argentina, Misiones, Iguazu. Distr. — Argentina (Misiones).
- PURA** (Curran), 1931:16 (*Plagiotoma*). Type-locality: Puerto Rico, Jajome Alto. Distr. — Cuba, Puerto Rico.
- QUADRISERIATA** Hendel, 1914b:37. Type-locality: Peru, Callanga. Distr. — Peru (Callanga). Ref. — Hering, 1941b:145.
- QUADRIVITTATA** Lima, 1934b:119, text-fig. 4, pl. 1, fig. 5 (♂ terminalia, wing). Type-locality: Brazil, Minas Gerais, Betim (= Capela Nova do Betim). Distr. — Brazil (Minas Gerais).
- REIMOSERI** Hendel, 1914b:39. Type-locality: Trinidad, Port of Spain, and Paraguay, Santa Sofía and San Bernardino. Distr. — Venezuela (Carabobo, Valle Seco), Paraguay (Villarica, Santa Sofía, San Bernardino), Argentina (many localities), Brazil (many localities). Ref. — Aczél, 1955a:392, figs. 101i-m, 102q-r, pl. 25, fig. 24 (head, palpus, ♂ genitalia and abdomen, ovipositor, wing).
- RUDOLPHI** (Lutz & Lima), 1918:10, fig. 23 (wing) (*Plagiotoma*). Type-locality: Brazil, states of Rio de Janeiro and São Paulo. Distr. — Bolivia (Mutun), Brazil (Minas Gerais, Rio de Janeiro, São Paulo, Paraná). Refs. — Lima, 1934b:117, fig. 1 (♂ terminalia); Aczél, 1955a:395, figs. 101a-d, 102a-b, pl. 26, fig. 25 (head, palpus, ♂ abdomen, ♀ abdomen and genitalia, wing); Hering, 1961:4.
- biseriata* Loew of Ihering, 1912:14.
- SALESOPOLITANA** Aczél, 1955a:400, 101e-f, 102f, pl. 26, fig. 26 (head, palpus, ♂ abdomen, wing). Type-locality: Brazil, São Paulo, Salesópolis. Distr. — Brazil (São Paulo).
- SEPARATA** Hendel, 1914b:39. Type-locality: Peru, Rosalina, Urubamba River. Distr. — Peru (Urubamba River). Ref. — Hering, 1941a:145.
- STACTA** Hendel, 1914b:37, pl. 2, fig. 26 (wing). Type-locality: Bolivia, Yungas de Coroico. Distr. — Bolivia (Yungas de Coroico), Argentina (San José).
- STONEI** Aczél, 1955a:402, figs. 90, 97a-b, pl. 19, fig. 1 (head, palpus, ♂ abdomen and genitalia, ♀ abdomen, wing). Type-locality: Panama, El Cermeño. Distr. — Panama (La Campana, El Cermeño).
- TITSCHACKI** Hering, 1941a:146, pl. 1, fig. 1 (wing). Type-locality: Peru, between Esperanza and Aina. Distr. — Peru.
- TRIPUNCTATA** Hendel, 1914b:36. Type-locality: Paraguay, La Cordillera, San Bernardino. Distr. — Paraguay (La Cordillera).

- TRIVITTATA (Lutz & Lima), 1918:10, fig. 25 (wing) (*Plagiotoma*). Type-locality: Brazil, Mato Grosso, Serra Acima. Distr. — Argentina (Concordia, Entre Rios), Brazil (Mato Grosso, Minas Gerais, São Paulo). Refs. — Lima, 1934b:118, fig. 3 (♂ terminalia); Aczél, 1955a:405, figs. 96d-e, 97e, pl. 21, fig. 11 (head, ♂ abdomen, wing).
- UNIFASCIA Hendel, 1914b:39. Type-locality: Chile, Arica. Distr. — Chile (La Meite, Arica). Ref. — Aczél, 1955a:408, figs. 101g-h, 102e, pl. 26, fig. 27 (head, palpus, ♂ abdomen, wing).
- VERNONIAE Hering, 1938b:414. Type-locality: Brazil, Santa Catarina, Ibirama, Nova Bremen. Distr. — Brazil (Santa Catarina).

Genus TOMOPLAGIODES Aczél

- TOMOPLAGIODES Aczél, 1954a:91. Type-species, *mexicanus* Aczél (orig. des.).
- MEXICANUS Aczél, 1954a:91, text-figs. 20-23, pl. 1, D (head, antenna, palpus, ♂ genitalia, wing). Type-locality: Mexico, D.F. Distr. — Mexico (D.F.).

Genus TOXOTRYPANA Gerstaecker

- TOXOTRYPANA Gerstaecker, 1860:191. Type-species, *curvicauda* Gerstaecker (mon.).
- Mikimyia* Bigot, 1884:xxix. Type-species, *furcifera* Bigot (mon.). = *curvicauda* Gerstaecker.
- AUSTRALIS Blanchard, 1959:34, figs. 1c, 2a (mesonotum, wing). Type-locality: Argentina, Tucumán. Distr. — Argentina (Corrientes, Tucumán, Buenos Aires, Santiago del Estero).
- CURVICAUDA Gerstaecker, 1860:194, pl. 2, fig. 9 (adult). Type-locality: "Isula St. Jean" [Netherlands Antilles]. Distr. — U.S.A. (several localities), ?Bahama Islands, Cuba, Mexico, south to Brazil. Ref. — Benjamin, 1934: 11, figs. 11a-q (egg, larva, pupa, adult).
- furcifera* Bigot, 1884:xxix (*Mikimyia*). Type-locality: "Brazil".
- LITTORALIS Blanchard, 1959:36, figs. 1b, 2b (mesonotum, wing). Type-locality: Argentina, Corrientes. Distr. — Argentina (Corrientes).
- NIGRA Blanchard, 1959:42. Type-locality: Argentina, Entre Rios, Concordia. Distr. — Argentina (Entre Rios).
- PICCIOLA Blanchard, 1959:40, fig. 1d (mesonotum). Type-locality: Argentina, Tucumán. Distr. — Argentina (Tucumán).
- PROSENI Blanchard, 1959:38, fig. 1a (mesonotum). Type-locality: Argentina, Buenos Aires, Punta Lara. Distr. — Argentina (Buenos Aires).
- PSEUDOPICCIOLA Blanchard, 1959:43, fig. 2c (wing). Type-locality: Argentina, Córdoba. Distr. — Argentina (Córdoba).

Genus TRUPANEA Schrank

- Trupanea* Guettard, 1762:170-173. Unavailable name (author not binominal).
- TRUPANEA Schrank, 1795:147. Type-species, *radiata* Schrank (mon.) = *stellata* (Fuessley).

Trypanea, emendation.

Urellia Robineau-Desvoidy, 1830:774. Type-species, *calcitrapae* Robineau-Desvoidy (Coquillett, 1910:618) = *stellata* (Fuessley).

Larvae develop in the ovaries of flowers, principally composites. The species presented here as belonging to the genus *Trypanea* have wing patterns consisting of a preapical star-like mark with rays to the wing margin, but without other markings in the posterior basal quarter of the wing disk. Many species previously placed in *Trypanea* properly belong to other genera of Tephritini. See Munro (1964) for a critical study and discussion of generic limits.

ACTINOBOLEA (Loew), 1873:326 (*Trypeta*). Type-locality: U.S.A., Texas. Distr. — U.S.A., Bahama Islands (Grand Bahama I.).

ARGENTINA (Brèthes), 1908a:368 (*Urellia*). Type-locality: Argentina, Buenos Aires. Distr. — Argentina (many localities). Ref. — Aczél, 1953c:371, figs. 23-27, pl. 27, B (head, fore tibia and tarsi, abdomen, ovipositor, wing).

ARIZONENSIS Malloch, 1942:15, pl. 1, v (wing). Type-locality: U.S.A., Arizona, Tucson. Distr. — U.S.A., Mexico (Baja California). Ref. — Foote, 1960e:12, fig. 8 (wing).

ASTEROIDES Hendel, 1914b:78. Type-locality: Peru, Mollendo. Distr. — Peru (Mollendo, Valley of Yauca). Ref. — Hering, 1941a:170, pl. 1, fig. 13 (wing).

AUSTERA Hering, 1942a:18, fig. 25 (wing). Type-locality: Chile, Cortaderal. Distr. — Chile (Cortaderal).

BASISTRIGA Malloch, 1933:291, pl. 6, fig. 5 (wing). Type-locality: Argentina, Mendoza. Distr. — Argentina (Salta, Mendoza). Ref. — Aczél, 1953c:380, figs. 18-22, pl. 27, E (head, fore tibia and tarsi, abdomen, ovipositor, wing).

secreta Hering, 1942a:25, fig. 16 (wing). Type-locality: Argentina, Salta.

BISSETOSA (Coquillett), 1899:266 (*Urellia*). Type-locality: U.S.A., New Mexico. Distr. — U.S.A. (many localities), Mexico (Baja California). Ref. — Foote, 1960e:11, figs. 5, 6 (wings).

BISTIGMOSA Hering, 1941a:170, pl. 1, fig. 11 (wing). Type-locality: Chile, Arica. Distr. — Peru (Mollendo, Arequipa, Talca), Chile (Tacna, Arica).

BISTRIGA Malloch, 1933:291, pl. 6, fig. 6 (wing). Type-locality: Uruguay, Montevideo. Distr. — Uruguay, Montevideo.

BREVITARSIS Hering, 1941a:170, pl. 1, fig. 10 (wing). Type-locality: Peru, Mamara. Distr. — Peru (Mamara, Urubamba, Cuzco).

CHILENSIS (Macquart), 1843:385 (separate, p. 228), pl. 31, fig. 8 (wing) (*Acinia*). Type-locality: Chile, Concepción. Distr. — Chile (Concepción, Angol), Argentina (Rio Negro, Bariloche), ?Peru. Refs. — Malloch, 1933:282, pl. 5, fig. 5 (wing); Hering, 1941a:171.

CRASSITARSIS Hering, 1940c:32, fig. 7 (wing). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).

CYCLOPS Hendel, 1914b:80, pl. 4, fig. 77 (wing). Type-locality: Argentina, Tucumán and Brazil. Distr. — Brazil, Argentina (Tucumán).

- DACETOPTERA Phillips, 1923:148, fig. 59 (wing). Type-locality: U.S.A., New York, Karner. Distr. — U.S.A. (many localities, eastern), Bahama Is. (Eluthera I., South Caicos I.), Puerto Rico, St. Croix. Ref. — Foote, 1960e:11, fig. 7 (wing).
- DAPHNE (Wiedemann), 1830:508 (*Trypeta*). Type-locality: Uruguay, Montevideo. Distr. — Argentina (Buenos Aires, Mendoza, San José, Aguaray), Uruguay (Montevideo).
- duplicata* Wiedemann, 1830:510 (*Trypeta*). Type-locality: Uruguay, Montevideo.
- meteorica* Thomson, 1869:582 (*Trypeta*). Type-locality: Argentina, Buenos Aires.
- alpha* Malloch, 1933:287, pl. 5, fig. 8 (wing) (as *neodaphne* var.). Type-locality: Uruguay, Montevideo.
- DIAGRAMMATA Hering, 1947:11, fig. 4 (wing). Type-locality: Mexico, Guerrero, Chilapa. Distr. — Mexico (Guerrero).
- ERASA Malloch, 1942:16, fig. 1w (wing). Type-locality: Peru, Lima. Distr. Peru (Lima).
- EXCEPTA Malloch, 1933:288, pl. 5, fig. 13 (wing). Type-locality: Chile, Los Andes. Distr. — Chile.
- FLAVIVENA Hering, 1937:300, fig. 1 (wing). Type-locality: Costa Rica, 8 km west of San José at Farm La Caja. Distr. — Costa Rica (San José).
- HELOTA Hering, 1941a:172, pl. 1, fig. 14 (wing). Type-locality: Peru, Palco. Distr. — Peru (Palco).
- HENDELI Hering, 1941a:172, pl. 1, fig. 9 (wing). Type-locality: Peru, Juliaca. Distr. — Peru, Bolivia, Argentina, Brazil. Ref. — Aczél, 1953c:374, fig. 28, pl. 27, C (head, wing).
- chilensis* Macquart of Hendel, 1914b:79.
- LILLOI Aczél, 1953c:383, figs. 13-17, pl. 27, F (head, fore tibia and tarsi, δ genitalia, abdomen, wing). Type-locality: Argentina, La Rioja, Sañogasta. Distr. — Argentina (La Rioja, Mendoza).
- MALLOCHI Hering, 1940b:50, figs. 1a-b (wing, foreleg). Type-locality: Costa Rica, 8 km west of San José at Farm La Caja. Distr. — Costa Rica (San José).
- METOECA Hendel, 1914b:77, pl. 4, fig. 71 (wing). Type-locality: Peru, Cuzco and Mamara, and Chile, Arica. Distr. — Peru (Cuzco, Mamara), Chile (Arica), Argentina (Buenos Aires), Uruguay (Montevideo). Refs. — Hering, 1936:329; Hering, 1941a:173.
- MEVARNA (Walker), 1849:1023 (*Trypeta*). Type-locality: U.S.A., Florida. Distr. — U.S.A. (several localities, eastern U.S.A. to Texas), Mexico (Guerrero, Gulf of California), Puerto Rico (Adjuntas), St. Vincent. Refs. — Foote, 1960a:15, fig. 12 (wing); Foote, 1964b:322.
- solaris* Loew, 1862b:63, pl. 2, fig. 19 (wing) (*Trypeta*). Type-locality: U.S.A., Georgia.
- MULTISETOSA Hering, 1936:330, fig. 2 (wing). Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco). Refs. — Hering, 1936:329; Hering, 1941a:173.

- NEODAPHNE Malloch, 1933:286. Type-locality: Uruguay, Montevideo. Distr. — Paraguay (Encarnación), Uruguay (Montevideo).
daphne Wiedemann of Brèthes, 1908a:370.
 var. BETA Malloch, 1933:287, pl. 5, fig. 9 (wing). Type-locality: Uruguay, Montevideo.
 var. GAMMA Malloch, 1933:287, pl. 5, fig. 10 (wing). Type-locality: Uruguay, Montevideo.
- NIGRICORNIS (Coquillett), 1899:266 (*Urellia*). Type-locality: U.S.A., Colorado. Distr. — U.S.A., Mexico (Baja California). Ref. — Foote, 1960e:9, fig. 4 (wing).
- NIGRICORNUTA Hering, 1942a:23, fig. 14 (wing). Type-locality: Argentina, Salta. Distr. — Argentina (Salta).
- NIGRISETA Malloch, 1933:283, pl. 5, fig. 6 (wing). Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina (Bariloche; L. Gutierrez), Chile (Port Famine, Tierra del Fuego).
- NOVARAE (Schiner), 1868:269 (*Tephritis*). Type-locality: "Chile". Distr. — Chile, Argentina (many localities), Brazil (São Paulo), Paraguay (San Bernardino). Ref. — Aczél, 1953c:376, figs. 7-12, pl. 27, D (head, fore tibia and tarsi, ovipositor, ♂ genitalia, wing).
bonariensis Brèthes, 1908a:369, fig. 2 (wing) (*Urellia*). Type-locality: Argentina, Buenos Aires, Luján.
majuscula Bezzi & Tavares, 1916:163, fig. 2 (wing). Type-locality: Brazil, Rio de Janeiro, Nova Friburgo; Bahia, between city of Salvador and Rio Vermelho. Ref. — Lima, 1934b:126, fig. 7 (♂ terminalia).
ornatissima Hering, 1935:288, fig. 1 (wing). Type-locality: Brazil, Santa Catarina.
- NUBILATA Hering, 1936:30, fig. 3 (wing). Type-locality: Chile, Arica. Distr. — Chile (Arica).
- NUDIPES Hering, 1938a:191, fig. 4 (wing). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina). Ref. — Hering, 1938b:417 (♀).
- OBSOLETA Hendel, 1914b:77. Type-locality: Chile, Palca. Distr. — Chile (Palca).
- OMPHALE Hering, 1936:331, fig. 4 (wing). Type-locality: Chile, Palca (as Palea). Distr. — Chile (Palca).
omphrale, error.
- PARADAPHNE Hering, 1953:15, fig. 8 (wing). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- PARAGOGA Hering, 1936:328, fig. 1 (wing). Type-locality: Peru, Puno, L. Titicaca. Distr. — Peru (Puno), Chile (Tacna, Arica). Ref. — Hering, 1941a:174.
- PARAPLESIA Hendel, 1914b:80. Type-locality: Peru, Puno, L. Titicaca. Distr. — Peru (Puno). Ref. — Hering, 1941a:174.
- PATAGONICA (Brèthes), 1908a:372, fig. 4 (wing) (*Urellia*). Type-locality: Chile, Carmen de Patagones. Distr. — Peru (Palco), Argentina (Potrerillos, Buenos Aires, Córdoba), Chile. Ref. — Hering, 1941a:174.

- PAUPERCULA** Hering, 1940b:51, fig. 2 (wing). Type-locality: Costa Rica, 8 km west of San José at Farm La Caja. Distr. — Costa Rica (San José).
- PERUVIANA** Malloch, 1942:8, fig. 1d (wing). Type-locality: Peru, Arequipa. Distr. — Peru (Arequipa).
- PLATENSIS** (Brèthes), 1908a:373, figs. 5, 6 (wings, larva) (*Urellia*). Type-locality: Argentina, Buenos Aires, and Paraguay, Villa Encarnación. Distr. — Paraguay, Argentina.
- PLAUMANNI** Hering, 1940c:33, fig. 8 (wing). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- PROPINQUA** Hering, 1941a:174, pl. 1, fig. 15 (wing). Type-locality: Peru, Hacienda Huayuri. Distr. — Peru.
- PSEUDODAPHNE** Hering, 1942a:24, fig. 15 (wing). Type-locality: Brazil, Rio Grande do Sul. Distr. — Brazil (Rio Grande do Sul).
- PUBESCENS** (Kieffer & Jörgenson), 1910:433, fig. 57 (wing) (*Tephritis*). Type-locality: Argentina, "Cordillera". Distr. — Argentina, Peru (Juliaca, Mamara, Cuzco), Bolivia (Lake Titicaca).
- fuscicubitalis* Hering, 1941a:171. Type-locality: Peru, Puno, Lake Titicaca.
- patagonica* Brèthes of Hendel, 1914b: pl. 4, fig. 78 (wing).
- PUTATA** Hering, 1940c:33, fig. 9 (wing). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).
- REDUCTA** Hendel, 1914b:77, pl. 4, fig. 70 (wing). Type-locality: Peru, Puno, and Bolivia, Guaqui, both Lake Titicaca. Distr. — Peru, Bolivia. Ref. — Hering, 1941a:175.
- SETIFRONS** Malloch, 1933:288, pl. 5, fig. 14 (wing). Type-locality: Argentina, "Delta". Distr. — Argentina.
- SOLIVAGA** Hering, 1942a:27, fig. 22 (wing). Type-locality: Argentina, Salta. Distr. — Argentina (Salta).
- STENOPTERA** Hendel, 1914b:77, pl. 4, fig. 69 (wing). Type-locality: Peru, Puno, Lake Titicaca, Chile, Tacna, and Bolivia, Carioca and Guaqui, Lake Titicaca. Distr. — Peru, Bolivia, Chile. Ref. — Hering, 1941a:175.
- SYRMOPHORA** Hering, 1942a:27, fig. 20 (wing). Type-locality: Chile, Cauquenes. Distr. — Chile (Cauquenes).
- THOMSONI** Hendel, 1914b:76 (*Trypeta*; nom. nov. for *plagiata* Thomson). Type-locality: Argentina, Buenos Aires. Distr. — Argentina (common and widely distributed), Bolivia (Sara). Refs. — Brèthes, 1908a:367, fig. 1 (wing) (as *plagiata*); Aczél, 1953c:368, figs. 1-6, pl. 27, A (head, palpus, fore tibia and tarsi, ovipositor, wing).
- plagiata* Thomson, 1869:583 (*Trypeta*; preocc. Blanchard, 1852). Type-locality: Argentina, Buenos Aires.
- TUCUMANENSIS** Malloch, 1933:288, pl. 6, fig. 2 (wing). Type-locality: Argentina, Tucumán, San Pablo. Distr. — Argentina (Tucumán). Ref. — Hering, 1942a:29.
- UNIMACULOSA** Hering, 1941a:171, 176. Type-locality: Peru, Palco. Distr. — Peru (Palco).
- VICINA** (Wulp), 1899:427, unnumbered text-fig. (wing) (*Urellia*). Type-locality: Mexico, Orizaba. Distr. — U.S.A. (southwestern), Mexico (Orizaba, Gulf of California). Ref. — Foote, 1960e:25, fig. 25 (wing).

VULPINA Hering, 1942a:31, fig. 13. Type-locality: Argentina (Salta). Distr. — Argentina (Salta).

WHEELERI Curran, 1932:7, fig. 1. Type-locality: U.S.A., California, San Diego. Distr. — U.S.A. (many localities), Mexico (Baja California). Ref. — Foote, 1960e: 14, fig. 11 (wing).

Genus TRYPANARESTA Hering

TRYPANARESTA Hering, 1940a:10. Type-species, *Trypanea imitatrix* Hering (orig. des.).

APOTELA (Hendel), 1914b:83, pl. 4, fig. 84 (wing) (*Trypanea*). Type-locality: "Venezuela". Distr. — Venezuela.

COELESTINA (Hering), 1938a:192, fig. 6 (wing) (*Trypanea*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).

DIFFICILIS (Malloch), 1933:280, pl. 4, fig. 14 (wing) (*Trypanea*). Type-locality: Argentina, Mendoza. Distr. — Argentina (Mendoza).

HESTIAE (Hendel), 1914b:82, pl. 4 fig. 83 (wing) (*Trypanea*). Type-locality: Argentina, Tucumán, Quebrada de Lules. Distr. — Argentina (Tucumán).

IMITATRIX (Hering), 1938a:193, fig. 7 (wing) (*Trypanea*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).

MISETA (Hering), 1938b:416, fig. 17 (wing) (*Trypanea*). Type-locality: Brazil, Santa Catarina, Nova Teutônia. Distr. — Brazil (Santa Catarina).

SUBASTER (Malloch), 1933:280, pl. 4, fig. 13 (wing) (*Trypanea*). Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina (Rio Negro).

TITSCHACKI Hering, 1941:157, pl. 1, fig. 16 (wing). Type-locality: Peru, Sivia. Distr. — Peru.

Genus TRYPETA Meigen

TRYPETA Meigen, 1803:277. Type-species, *Musca artemisiae* Fabricius (Coquillett, 1910:618).

Forelia Robineau-Desvoidy, 1830:760. Type-species, *onopordi* Robineau-Desvoidy (Rondani, 1870:7) = *artemisiae* (Fabricius).

Phorellia, emend.

Spilographa Loew, 1862c:39. Type-species, *Trypeta hamifera* Loew (Coquillett, 1910:607).

Siplographa, error.

Euribia, authors, not Meigen.

CONCOLOR (Wulp), 1899:408, text-figs. 14-19, pl. 11, fig. 28 (head, antenna, palpus, ovipositor, abdomen, wing) (*Spilographa*). Type-locality: Mexico, Mexico city. Distr. — Mexico (Mexico city). Refs. — Aczél, 1954a:87, pl. 1, C (wing); Foote, 1965b:239.

RUFATA (Wulp), 1899:407, pl. 11, fig. 27 (wing) (*Spilographa*). Type-locality: Mexico, Guerrero, Omilteme. Distr. — Mexico (Guerrero: Omilteme, Sierra de las Aguas Escondidas). Ref. — Foote, 1965b:239.

STRIATA (Wulp), 1899:406, pl. 11, fig. 24 (wing) (*Spillographa*). Type-locality: Mexico, Guerrero, Sierra de las Aguas Escondidas. Distr. — Mexico (Guerrero). Ref. — Foote, 1965b:238.

Genus UROPHORA Robineau-Desvoidy

Euribia Melgen, 1800:36. Type-species, *Musca cardui* Linnaeus (Hendel, 1927a:41). Suppressed by I.C.Z.N., 1963:339.

UROPHORA Robineau-Desvoidy, 1830:769. Type-species, *sonchi* Robineau-Desvoidy (Westwood, 1840:149) = *cardui* (Linnaeus).

Ref. — Hering, 1941a:127 (key, American species).

ACOMPSA (Hendel), 1914b:31, pl. 2, fig. 22 (wing) (*Tephritis*). Type-locality: Peru, Tarma. Distr. — Peru (Tarma). Ref. — Hering, 1941a:129.

ADJACENS (Hering), 1941a:129, fig. 3 (wing) (*Euribia*). Type-locality: Peru, Urubamba River. Distr. — Peru (Urubamba River).

AEREA (Hering), 1941b:479, fig. 6 (wing) (*Euribia*). Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

AGNATA (Hering), 1942a:1, fig. 1 (wing) (*Euribia*). Type-locality: Colombia, "Cordillere". Distr. — Colombia.

CHAETOSTOMA (Hering), 1941a:130, fig. 1 (wing) (*Euribia*). Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco).

COLUMBIANA (Hering), 1942a:2 (*Euribia*). Type-locality: "Colombia". Distr. — Colombia.

CONFERTA (Walker), 1852:379 (*Trypeta*). Type-locality: Colombia, Cartagena. Distr. — Colombia (Cartagena). Ref. — Foote, 1964b:319.

DILUTA (Enderlein), 1911:459, fig. C1 (wing) (*Urellia*). Type-locality: Argentina, Mendoza. Distr. — Argentina (Mendoza).

DISJUNCTA Becker, 1919:191, pl. 16, fig. 9 (wing). Type-locality: Ecuador, Casitagua. Distr. — Ecuador (Casitagua).

FUNEBRIS (Hering), 1941a:130, fig. 4 (wing) (*Euribia*). Type-locality: Bolivia, Sorata, and ?Peru. Distr. — Peru, Bolivia.

MAMARAE (Hendel), 1914b:32 (*Tephritis*). Type-locality: Peru, Mamara. Distr. — Peru (Mamara).

MORA (Hering), 1941a:131, fig. 2 (wing) (*Euribia*). Type-locality: Peru, Puno, Lake Titicaca. Distr. — Peru (Puno).

SIMPLEX Becker, 1919:192, pl. 16, fig. 8 (wing). Type-locality: Ecuador, Pinullar. Distr. — Ecuador.

TOWNSENDI Bezzi, 1923:4, fig. 3 (wing). Type-locality: Peru, Río Charape. Distr. — Peru (Río Charape). Ref. — Hering, 1941a:132.

TRIVIRGULATA Foote, 1960b:89, fig. 2 (wing). Type-locality: Bahama Is., Great Sale Cay, Abaco Cays. Distr. — Bahama Is.

UNICA Becker, 1919:191, pl. 16, fig. 5 (wing). Type-locality: Ecuador, El Angel, Mirador, and Chile, El Pelado. Distr. — Ecuador, Chile.

Genus XANTHACIURA Hendel

XANTHACIURA Hendel, 1914a:86 (1914b:45). Type-species, *Trypeta chrysura* Thomson (orig. des.).

Tetraciura Hendel, 1914a:90 (1914b:48). Type-species, *quadrisetosa* Hendel (orig. des.; as *quadriseta*, error).

Aciura, subg. *Eucosmoptera* Phillips, 1923:131. Type-species, *Aciura tetraspina* Phillips (Bates, 1933b:55).

Aciura (part), authors, not Robineau-Desvoidy.

Refs. — Aczél, 1949b:117 (key, Neotropical species); Aczél, 1952b:245 (morphology, key).

BIOCELLATA (Thomson), 1869:580 (*Trypeta*). Type-locality: Argentina, Buenos Aires. Distr. — Uruguay (Montevideo), Paraguay (San Bernardino), Argentina (several localities), Brazil (Santa Catarina, Nova Teutônia). Ref. — Aczél, 1949b:120, text-fig. 1, pl. 1, fig. A (wing, head, ovipositor).

CHRYSTURA (Thomson), 1869:580 (*Trypeta*). Type-locality: Brazil, Guanabara, Rio de Janeiro. Distr. — U.S.A. (Florida), Mexico, south to Argentina and Brazil. Ref. — Aczél, 1949b:132, text-fig. 4, pl. 2, fig. D (wing, head, ovipositor).

insecta Loew of Schiner, 1868:265 (part).

insecta Loew of Wulp, 1899:410, pl. 12, fig. 3 (wing) (part).

erosa Enderlein, 1911:458, fig. B' (wing) (*Aciura*). Type-locality: Brazil, Santa Catarina, and Colombia. Ref. — Lindner, 1928:28. *contracta* Hering, 1937:298, fig. 4 (wing). Type-locality: Costa Rica, 8 km west of San José, at Farm La Caja.

CONNEXIONIS Benjamin, 1934:45, figs. 32a-p (larva, pupa, adult). Type-locality: U.S.A., 3 mi. south of Florida City, Florida. Distr. — U.S.A. (Texas, several localities), Mexico to Nicaragua, Jamaica to Bahama Is. Ref. — Aczél, 1952b:257, text-fig. 1, pl. 1, fig. A (head, ovipositor wing).

brevinervis Malloch, 1933:269. *Nomen nudum*.

EXCELSA Aczél, 1949b:123, text-fig. 2, pl. 1, fig. C (head, wing, ovipositor). Type-locality: Argentina, Tucumán, Tafi del Valle. Distr. — Argentina (Tucumán).

FLAVICAUDA Aczél, 1952b:260, text-fig. 2, pl. 1, B (head, wing, ovipositor). Type-locality: Nicaragua, San Marcos. Distr. — Nicaragua (San Marcos).

INSECTA (Loew), 1862b:72, pl. 2, fig. 8 (wing) (*Trypeta*). Type-locality: "Cuba". Distr. — U.S.A. (Florida), Mexico, throughout West Indies, Bahama Is. Refs. — Benjamin, 1934:44, fig. 31a-o (egg, larva, pupa, adult); Aczél, 1952b:263, text-fig. 3, pl. 1, C (head, palpus, basitarsus, ovipositor, wing).

MAJOR Malloch, 1934:79, fig. 1 (wing). Type-locality: Peru, Santa Eulalia. Distr. — Peru (Santa Eulalia). Refs. — Hering, 1941a:148; Aczél, 1952b:267, text-fig. 4, pl. 2, D (head, ovipositor, wing).

MALLOCHI Aczél, 1949b:125, text-fig. 3, pl. 1, B (wing, head, ovipositor). Type-locality: Argentina, Colonia Benitez. Distr. — Argentina (Colonia Benitez, Clarinda; Entre Rios, Sauce).

PHOENICURA (Loew), 1873:269, pl. 11, fig. 12 (*Trypeta*). Type-locality: "Brazil". Distr. — Mexico, south to Peru and Brazil. Refs. — Hering, 1941a:148; Aczél, 1949b:135, text-fig. 5, pl. 2, E and E (wing, head, ovipositor).

QUADRISETOSA (Hendel), 1914a:90 (*Tetraciura*). Type-locality: Bolivia, Sorata. Distr. — Bolivia (Sorata), Argentina (many localities), Brazil (Pernambuco). Refs. — Hendel, 1914b:48, pl. 2, fig. 33 (wing)

(as *quadriseta*); Aczél, 1949b:139, text-fig. 6, pl. 3, F and F (wing, head, ovipositor); Aczél, 1952b:270, fig. 5 (♂ genitalia).

quadriseta, error.

- SPECIOSA** Hendel, 1914b:47, pl. 2, fig. 32 (wing). Type-locality: Peru, Mamara. Distr. — Peru (Mamara). Ref. — Hering, 1941a:148.
- STONEI** Aczél, 1952b:271, text-fig. 6, pl. 2, E (head, ovipositor, wing). Type-locality: Panama, El Cermeno. Distr. — Panama (El Valle, Taboga I., Canal Zone, El Cermeno).
- TETRASPINA** (Phillips), 1923:132, pl. 18, fig. 16 (wing) (*Actura*). Type-locality: U.S.A., Missouri, Columbia. Distr. — U.S.A. (several localities), Mexico (several localities), Bahama Is. (Mayaguana I.), Brazil (Pernambuco). Refs. — Benjamin, 1934:46, figs. 33a-l (larva, pupa, adult); Aczél, 1952b:274, text-fig. 4, pl. 2, F (head, ovipositor, wing).
- THETIS** Hendel, 1914b:47. Type-locality: Bolivia, Songo. Distr. — Bolivia (Songo).
- UNIPUNCTA** Malloch, 1933:268, pl. 4, fig. 8 (wing). Type-locality: Paraguay, Encarnación. Distr. — Argentina (several localities), Brazil (Bahia), Paraguay (Encarnación). Refs. — Souza Lopes, 1939:425, pls. 1, 2 (♀ abdomen and ovipositor, spermatheca, ♂ genitalia, larva, damage); Aczél, 1949b:143, text-fig. 7, pl. 2, G (wing, head, ovipositor).

Genus ZONOSEMATA Benjamin

- ZONOSEMATA** Benjamin, 1934:17. Type-species, *Trypeta electa* Say (orig. des.).
- COCOYOC** Bush, 1965:319, figs. 6, 13, 28, 38, Map 1 wing, abdomen, thorax, distribution). Type-locality: Mexico, Morelos, Cocoyoc. Distr. — Mexico (Morelos).
- MINUTA** Bush, 1965:319, figs. 7, 15, 16, 31, 33, Map 1 (wing, abdomens, thorax, distribution). Type-locality: Jamaica, Montego Bay. Distr. — Jamaica (Montego Bay).
- VIDRAPENNIS** Bush, 1965:321, figs. 8, 14, 32, 34, Map 1 (wing, abdomen, thorax, distribution). Type-locality: Mexico, Oaxaca, Oaxaca. Distr. — Mexico (Oaxaca, Mexico, between Villa Guerrero and Tenanzigo).
- VITTIGERA** (Coquillett), 1899:261 (*Zonosema*). Type-locality: U.S.A., Texas, and northern Mexico. Distr. — U.S.A. (southwestern), Mexico (south to D.F.). Refs. — Aczél, 1954b:153 (text only; figs. are labelled as *variegata*); Foote, 1960d:115, fig. 4 (distribution); Cazier, 1962:181, figs. 1-8 (larva, pupa, injury, parasite, biology).
- variegata* Aczél, 1954b: figs. 21-27, pl. 2, C (head, palpus, antenna, abdomen, ovipositor, wing) Type-locality: unknown.

UNPLACED TEPHRITINAE

- AMEGHINOI** Brèthes, 1908b:471; unnumbered text-fig. (wing) (*Urellia*). Type-locality: Argentina, Chubut. Distr. — Argentina (Salta, Chubut).
- BASIFLAVA** Hering, 1942a:19, fig. 2 (wing) (*Trypanea*). Type-locality: Argentina, Salta.

- CANDIDA Hering, 1942a:20, fig. 24 (wing) (*Trypanea*). Type-locality: Argentina, Salta.
- CHARIESSA Hendel, 1914b:78, pl. 4, fig. 72 (wing) (*Trypanea*). Type-locality: Bolivia, Yungas road.
- DOLORES Hering, 1938a:192, fig. 5 (wing) (*Trypanea*). Type-locality: Brazil, Santa Catarina, Nova Teutônia.
- DURVILLE Macquart, 1843:384 (separate, p. 227), pl. 31, fig. 7 (wing) (*Actinia*). Type-locality: Chile, Concepción. Distr. — Peru, Chile. Ref. — Hering, 1941a:171.
- EDWARDSI Malloch, 1933:289, pl. 6, fig. 3 (wing) (*Trypanea*). Type-locality: Argentina, Mendoza, Potrerillos.
- LATIPENNIS Townsend. 1893:13 (*Euaresta*). Type-locality: Mexico, Chacaltianguis.
- MERIDIANA Becker, 1919:195, pl. 16, fig. 2 (wing) (*Euaresta*). Type-locality: Ecuador, Pinullar, Alausi.
- M-NIGRUM Hendel, 1914b:68, pl. 3, fig. 57 (wing) (*Euribia*). Type-locality: Argentina, Rivadavia.
- OBSCURELLA Blanchard, 1852:463 (*Ensina*). Type-locality: Chile, Iliapel.
- PENTHERES Hendel, 1914b:79, pl. 4, fig. 74 (wing) (*Trypanea*). Type-locality: Peru, Cuzco. Ref. — Hering, 1941a:174.
- PHRYCTA Hendel, 1914b:80 (*Trypanea*). Type-locality: Peru, Urubamba River.
- phrycte*, error.
- POLYCLONA Loew, 1873:324 (*Trypeta*). Type-locality: "Cuba".
- PORTERI Séguy, 1933:256, pl. 8, fig. 1 (wing) (*Trypanea*). Type-locality: Ecuador, El Napo, Pajonales del Pichincha.
- SCUTELLATUS Séguy, 1933:258, pl. 8, fig. 3 (wing) (*Acanthiophilus*). Type-locality: Ecuador, Quito, Calderón.
- SEMIGUTTATA Becker, 1919:196, pl. 16, fig. 4 (wing) (*Tephritis*). Type-locality: Ecuador, Casitagua.
- SUSPECTA Malloch, 1933:279, pl. 4, fig. 12 (wing) (*Trypanea*). Type-locality: Argentina, Rio Negro, L. Correntoso. Distr. — Argentina (Rio Negro: L. Correntoso, Bariloche).
- VIDUA Hering, 1942a:30, fig. 19 (wing) (*Trypanea*). Type-locality: Chile, Cortaderal.
- ZONATA Hendel, 1914b:77, pl. 4, fig. 73 (wing) (*Trypanea*). Type-locality: Peru, Cuzco, Puno, L. Titicaca. Ref. — Hering, 1941a:176.

UNPLACED TEPHRITIDAE

- ANTILLARUM Macquart, 1851:262 (separate, p. 289), pl. 26, fig. 17 (wing) (*Urophora*). Type-locality: "Antilles".
- ATACTA Hendel, 1914b:62, pl. 3, fig. 51 (wing) (*Ictérica*). Type-locality: Paraguay, La Cordillera, San Bernardino. Distr. — Bahama Is. (New Providence I.), Paraguay.
- ATOMARIA Fabricius, 1805:329 (*Dictya*). Type-locality: "America meridionali".
- BAHIENSIS Macquart, 1851:261 (separate, p. 288), pl. 26, fig. 16 (wing) (*Urophora*). Type-locality: Brazil, Bahia.
- BASALIS Walker, 1852:380 (*Trypeta*). Type-locality: "Brazil". Refs. — Aczél, 1953b:184, fig. 43 (wing); Foote, 1964b:319.

- BELLA Blanchard, 1852:460 (*Acinia*). Type-locality: Chile, "de las Cordilleras del norte".
- BRASILIENSIS Lima, 1933:383, fig. 1 (wing) (*Acidia*). Type-locality: Brazil, Rio de Janeiro, Corcovado, Paineiras.
- CANCELLARIA Fabricius, 1805:328 (*Dictya*). Type-locality: "America meridionali".
- CINEREA Blanchard, 1852:461 (*Acinia*). Type-locality: Chile, Illapel.
- DELICATELLA Blanchard, 1852:459 (*Acinia*). Type-locality: Chile, Coquimbo.
- FALLAX Johnson, 1919:445 (*Acinia*). Type-locality: Jamaica, Blue Mountains, Yallahs Valley.
- FLEXUOSA Bigot, 1857a:305, pl. 7, fig. 4 (adult female) (*Urophora*). Type-locality: "Chile".
- GUTTATA Macquart, 1846:341 (separate, p. 213), pl. 18, fig. 16 (wing) (*Acinia*). Type-locality: Brazil, Minas Gerais.
- IMPLUVIATA Blanchard, 1852:461 (*Acinia*). Type-locality: Chile, "en las Cordilleras de Elqui".
- MARMORATA Blanchard, 1852:460, pl. 5, figs. 10a, 10b (adult dorsum, wing) (*Acinia*). Type-locality: Chile, "Cucac vic".
- MODESTA Blanchard, 1852:458 (*Acinia*). Type-locality: Chile, Coquimbo.
- NYMPHULA Blanchard, 1852:462 (*Acinia*). Type-locality: Chile, "prov. Coquimbo a Arqueros, etc".
- PLAGIATA Blanchard, 1852:458 (*Acinia*). Type-locality: "Chile".
- QUINQUEMACULATA Macquart, 1846:339 (separate, p. 211), pl. 18, fig. 13 (adult dorsum) (*Urophora*). Type-locality: "Brazil".
- SCUTELLATA Wiedemann, 1830:494 (*Trypeta*). Type-locality: "Mexico". Ref. — Loew, 1862b:97.
- SIMPLEX Blanchard, 1852:459 (*Acinia*). Type-locality: "Chile".
- STELLATA Macquart, 1843:384 (separate, p. 227), pl. 31, fig. 6 (adult dorsum) (*Acinia*). Type-locality: "Brazil".
- STRIOLA Fabricius, 1805:318 (*Tephritis*). Type-locality: "America meridionali".
- VARIA Walker, 1852:382 (*Trypeta*). Type-locality: "South America". Ref. Foote, 1964b:324.
- VITTIPES Rondani, 1868:30 (*Tephritis*). Type-locality: Argentina, Mendoza.
- VONEDA Walker, 1849:1028 (*Trypeta*). Type-locality: Brazil, Bahia. Ref. — Foote, 1964b:325.

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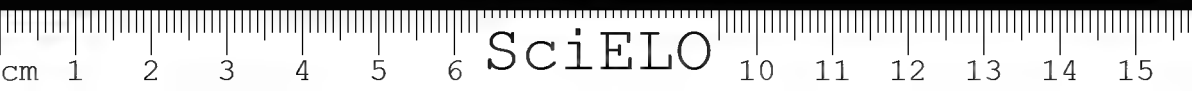
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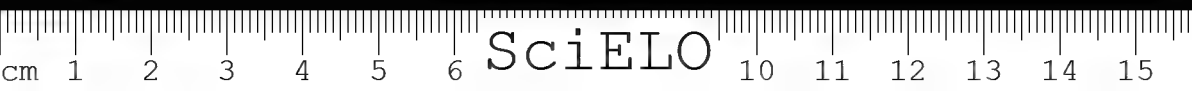
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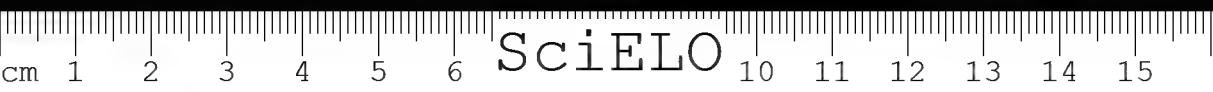
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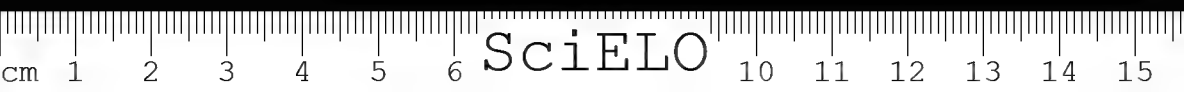


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<i>mallochi</i> Hering, 1940, <i>Trupanea</i>	57.50
<i>mamarae</i> (Hendel), 1914 (<i>Tephritis</i>), <i>Urophora</i>	57.54
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<i>peregrina</i> (Loew), 1873 (<i>Trypeta</i>), <i>Dioxyna</i>	57.22
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<i>rivulatum</i> Hendel, 1914, <i>Rhithrum</i>	57.42
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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

58

FAMILY TACHINISCIDAE

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Only one genus and one species described in the Neotropical region. This family occurs also in Africa (South Rhodesia; Malloch, 1931). Nothing is known about the biology.

Genus TACHINISCA Kertész

TACHINISCA Kertész, 1903:355. Type-species, *cyaneiventris* Kertész (mon.).

CYANEIVENTRIS Kertész, 1903:357, pl. 15. Type-locality: Peru, Vilcanota; Bolivia, Songo, Cillunticara. Distr. — Peru, Bolivia, Brazil. Ref. — Lopes, 1934:518.

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SUPERFAMILY SCIOMYZOIDEA

- Family Helcomyzidae
- Family Ropalomeridae
- Family Coelopidae
- Family Dryomyzidae
- Family Sepsidae
- Family Sciomyzidae





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SOUTH OF THE UNITED STATES

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FAMILY HELCOMYZIDAE

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The Helcomyzidae are a small family of maritime flies of far northern and far southern regions. Some northern species are known to develop in seaweed lying on shores. The only comprehensive treatment of the family is by Hendel (1937), included in Dryomyzidae and Coelopidae. The South American species were treated by Malloch (1933).

Genus PARACTORA Bigot

PARACTORA Bigot, 1888:33, 38. Type-species, *fuegiana* Bigot (mon.) = *trichosterna* (Thomson).

Actoceles Enderlein, 1912:43. Type-species, *abscondita* Enderlein (orig. des.) = *rufipes* (Macquart).

Pezomyia Austen, 1913:501. Type-species, *moseleyi* Austen (orig. des.).

ANGUSTATA Malloch, 1933:332. Type-locality: Chile, Ancud. Distr. — Chile.

ANTARCTICA (Thomson), 1869:601 (*Orygma*). Type-locality: "Patagonia". Distr. — Argentina (Patagonia, Tierra del Fuego), Chile (Ancud). Ref. — Malloch, 1933:331.

rufifrons Bigot, 1888:35 (*Leria*). Type-locality: Argentina, Tierra del Fuego, "Baie Orange".

cinerascens Bigot, 1888:37 (*Actora*). Type-locality: Argentina, Tierra del Fuego, "Baie Orange". Note: Enderlein (1912:96) states that pl. 4, fig. 4, captioned as of this species, is actually of *Actora rufina* (see Pallopteridae).

MOSELEYI (Austen), 1913:503, fig. 2 (*Pezomyia*). Type-locality: Falkland Islands, West Falkland, Port North. Distr. — Falkland Islands. Ref. — Malloch, 1933:333, figs. 60b, c.

RUFIPES (Macquart), 1843:420 (sep., p. 263) (*Heteromyza*). Type-locality: "Îles Malouines" (= Falkland Islands). Distr. — Falkland Islands, South Georgia. Refs. — Malloch, 1933:335; Hendel, 1937: 187-188, figs. 4-6 (as *abscondita* End.).

flavipes Macquart, 1843:421 (sep., p. 264), pl. 33, fig. 5 (*Actora*). Type-locality: "Îles Malouines" (= Falkland Islands).

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- abscondita* Enderlein, 1912:44, pl. 3, figs. 33, 34 (*Actoceles*). Type-locality: Falkland Islands, Port Stanley and Seal Cove.
- georgiana* Schaeffer, 1914:92 (*Actoceles*). Type-locality: South Georgia, Possession Bay.
- oblita* Lamb, 1917:388 (*Oedoparea*). Type-locality: Falkland Islands.
- TRICHOSTERNA (Thomson), 1869:602 (*Orygma*). Type-locality: "Patagonia". Distr. — Argentina (Patagonia), Falkland Islands. Refs. — Malloch, 1933:329, fig. 69a; Hendel, 1937:189, figs. 7-9 (as *fuegiana* Bigot).
- fuegiana* Bigot, 1888:39. Type-locality: Argentina, Tierra del Fuego, "Baie Orange".

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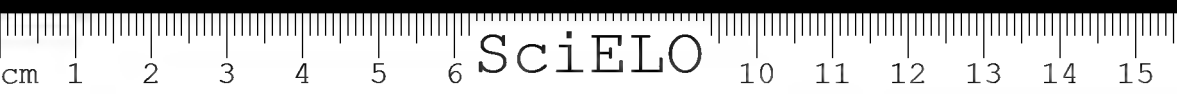
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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

60

FAMILY ROPALOMERIDAE

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The Ropalomeridae are a family of medium to large flies found only in the Americas and of essentially tropical distribution. Only one species, *Rhytidops floridensis* (Aldrich), occurs outside the limits of this catalogue; the present list, therefore, is made to include all known species. The larvae of a few species have been found in decaying vegetable matter. Prado (1966) has presented a revision of the family.

Genus APOPHORHYNCHUS Williston

APOPHORHYNCHUS Williston, 1895a:184. Type-species, *flavidus* Williston (mon.).

AMAZONENSIS Prado, 1966:251, figs. 106-107. Type-locality: Brazil, Amazonas, Rio Negro, São Gabriel. Distr. — Brazil.

FLAVIDUS Williston, 1895a:184 (key), 186. Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Bolivia, Brazil. Ref. — Prado, 1966:249, figs. 100-105.

Genus DACTYLISSA Fischer

DACTYLISSA Fischer, 1932:447. Type-species, *digiticornis* Fischer (orig. des.).

DIGITICORNIS Fischer, 1932:447, figs. 1-4, 23. Type-locality: Brazil, Mato Grosso, Fazenda Murtinho. Distr. — Brazil (Guanabara, Mato Grosso), Paraguay (Villarica). Ref. — Prado, 1966:258, figs. 119-131.

Genus KROEBERIA Lindner

KROEBERIA Lindner, 1930a:125, 127. Type-species, *fuliginosa* Lindner (mon.).

FULIGINOSA Lindner, 1930a:127. Type-locality: Brazil, Rio Grande do Sul, Santa Cruz; "Brazil"; Brazil, Rio Grande do Sul. Distr. — Mexico (Oaxaca), Panama, Brazil. Ref. — Prado, 1966:253, figs. 108-118.



Genus LENKOKROEBERIA Prado

LENKOKROEBERIA Prado, 1966:261. Type-species, *chryserea* Prado (orig. des.). Note: This genus and its type-species were published by Prado with descriptions prepared by him. The work by Papavero & Guimarães, to which Prado refers, was withdrawn from the press when it was found that both Prado and Steyskal had recognised the genus as new.

CHRYSEREA Prado, 1966:264, figs. 132-143. Type-locality: Brazil, Mato Grosso, Salobra, male; São Paulo, Araçatuba, female. Distr. — Brazil.

CILIATA (Williston), 1895a:186 (*Rhopalomera*). Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Brazil, Bolivia (Lindner, 1930b:283).

Genus MEXICOA Steyskal

MEXICOA Steyskal, 1947:227. Type-species, *mexicana* Steyskal (orig. des.).

MEXICANA Steyskal, 1947:225, figs. 1-2. Type-locality: Mexico, Sonora, Rio Mayo. Distr. — Mexico.

Genus RHYTIDOPS Lindner

RHYTIDOPS Lindner, 1930a:125, 126 (key), 135. Type-species, *chacoensis* Lindner (mon.).

CHACOENSIS Lindner, 1930a:136, fig. 1. Type-locality: Argentina. San José, Rio Pilcomayo. Distr. — Argentina.

FLORIDENSIS (Aldrich), 1932:10 (*Kroeberia*). Type-locality: U.S.A., Florida, Putnam County. Distr. — U.S.A. (Florida). Also misspelled *floridana* by Malloch (1941:49).

Genus ROPALOMERA Wiedemann

ROPALOMERA Wiedemann, 1824:17. Type-species, *Dictya clavipes* Fabricius (Macquart, 1843:359[202]).
Rhopalomera, emend.

BRACHYPTERA Lindner, 1930a:134. Type-locality: Brazil, Bahia. Distr. — Brazil.

CLAVIPES (Fabricius), 1805:329 (*Dictya*). Type-locality: "South America". Distr. — Guyana, Surinam, Ecuador, Brazil, Bolivia, Paraguay. Ref. — Prado, 1963:463, figs. 15-24.

spinosa Perty, 1833:189, pl. 37, fig. 14 (not 7, as in text). Type-locality: Brazil, Piauí.

nebulosa Walker, 1857:225. Type-locality: "Valley of the Amazon". Synonymy by Prado, confirmed from type by me.

DISTINCTA Prado, 1966:232, figs. 52-56. Type-locality: Brazil, Mato Grosso, Fazenda Murtinho. Distr. — Brazil.

FEMORATA (Fabricius), 1805:326 (*Dictya*). Type-locality: "South America". Distr. — Mexico (Yucatán), south to Brazil, Bolivia, Paraguay, and Argentina (Misiones). Ref. — Prado, 1966:223, figs. 25-35.

FENESTRATA Prado, 1966:219, figs. 14-24. Type-locality: Brazil, Guanabara, Rio de Janeiro, Gávea. Distr. — Brazil.

GLABRATA Prado, 1966:230, figs. 45-51. Type-locality: Brazil, Mato Grosso, Três Lagoas, Fazenda Floresta. Distr. — Brazil.

- GOYANA Prado, 1966:227, figs. 36-41. Type-locality: Brazil, Goiás, Campinas. Distr. — Brazil.
- GUIMARAESI Prado, 1966:229, figs. 42-44. Type-locality: Brazil, Mato Grosso, Três Lagoas, Fazenda Floresta. Distr. — Brazil. Also spelled "*guimaraënsi*" in key, with "til" over second a, which is contrary to the Rules.
- MINIMA Curran, 1934:432. Type-locality: Guyana, Bartica district, Kartabo. Distr. — Guyana. This species has been synonymized with *R. clavipes* by Prado, but I consider it likely from the characters cited by Curran that it is a distinct species or even synonymous with *R. nudipes*.
- NUDIPES Frey, 1959:48. Type-locality: Brazil, Amazonas, Taracua, Uaupés, Rio Negro. Distr. — Brazil.
- OCCULTA Prado, 1966:239, figs. 77-90. Type-locality: Brazil, Goiás, Campinas. Distr. — Brazil (São Paulo, Minas Gerais, Rio de Janeiro).
- STICTICA Wiedemann, 1830:573. Type-locality: "Brazil". Distr. — Brazil (Northeast, Central South, South), Paraguay. Ref. — Prado, 1963:460, figs. 1-14.
- maculipennis* Macquart, 1843:360 (203), pl. 27, fig. 3. Type-locality: "Brazil".
- punctipennis* Rondani, 1848:80. Type-locality: "Brazil".
- similis* Rondani, 1848:81. Type-locality: "Brazil".
- TESSELLATA Prado, 1966:235, figs. 57-69. Type-locality: Brazil, Amazonas, Maués. Distr. — Brazil (Amazonas, Amapá, Pará). Also spelled "*tesselata*" in key.
- TIBIALIS Walker, 1852:375; 1857:224. Type-locality: not cited; in second publication, "Valley of the Amazon". My examination of Walker material in the British Museum (Natural History) leads me to believe that both Walker descriptions refer to the same species, the one renamed as *R. walkeri* by Prado. The species recognised as *R. tibialis* by Prado is renamed below. Distr. — Brazil (Amapá, Amazonas, Pará).
- walkeri* Prado, 1966:243, figs. 91-97. Type-locality: Brazil, Pará, Belém, Santa Bárbara. N. SYN.
- TITILLATOR Steyskal, new species. Holotype: Brazil, Pará, Óbidos, November 1953 (J. Brazilino), n° 13202 in Instituto Oswaldo Cruz. This is one of the specimens upon which Prado based his description of *R. tibialis* Walker, and that description may serve for the description of this species. Distr. — Brazil (Pará). Ref. — Prado, 1966:237, figs. 70-76.
- XANTHOPS Williston, 1895b:213. Type-locality: Mexico, Yucatán. Distr. — Mexico, Guatemala, Nicaragua. Ref. — Wulp, 1898:379, pl. 10, figs. 3, 3a, 3b (as *Ropalomera* sp.).

Genus WILLISTONIELLA Mik

- Rhopalomyia* Williston, 1895a:184. Type-species, *Ropalomera pleuropunctata* Wiedemann (mon.; preocc. Rübsaamen, 1892).
- WILLISTONIELLA Mik, 1895:136 (nom. nov. for *Rhopalomyia* Williston). Type-species, *Ropalomera pleuropunctata* Wiedemann (aut.).



- PLEUROPUNCTATA (Wiedemann), 1824:18 (*Ropalomera*). Type-locality: "South America". Distr. — South Mexico to Panama, Trinidad, South America south to northern Argentina. Refs. — Prado, 1963:466, figs. 25-36; Steyskal, 1957:71, fig. 5.
- vittifrons* Rondani, 1848:81 (*Rhopalomera*). Type-locality: "Brazil".
- substituta* Walker, 1857:225 (*Ropalomera*). Type-locality: "Brazil".

UNRECOGNIZED SPECIES

- FLAVICEPS Macquart, 1846:336 (08), pl. 18, fig. 6 (*Ropalomera*). Type-locality: "Nouvelle Grenade" (= Colombia). May belong in *Apophorhynchus* — Prado, 1966:246.
- RUFIPES Walker, 1849:1063 (*Ropalomera*). Type-locality: not cited. I could not locate the type in the British Museum (Natural History) in 1964. Hennig (1932:121) followed Hendel in treating it as an unrecognized species of Richardiidae.
- VARIPES Walker, 1862:375 (*Ropalomera*). Type-locality: "Colombia". I could not locate the type in the British Museum (Natural History) in 1964. Prado (1966:246) treated it as unrecognizable from description.

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SciELO

DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

61

FAMILY COELOPIDAE

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The family Coelopidae enters the area of this catalogue with a single species in Baja California, Mexico. The family is otherwise distributed largely along shores of northern and far southern regions around the world. The known larvae feed in kelp, and for this reason the species are known as "kelp-flies".

Ref. — Malloch, 1933.

Genus COELOPINA Malloch

COELOPINA Malloch, 1933:341, 350. Type-species, *Coelopa anomala* Cole (mon.).

ANOMALA (Cole), 1923:470 (*Coelopa*). Type-locality: Mexico, Baja California, Las Animas Bay. Distr. — U.S.A. (California), Mexico (Baja California, Angel de la Guardia Island, Ensenada, and Las Animas Bay).

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 A CATALOGUE OF THE DIPTERA OF THE AMERICAS
 SOUTH OF THE UNITED STATES

62

FAMILY DRYOMYZIDAE

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Only the 2 species here listed are definitely known to occur in our area. It is possible that one or more of the species of *Dryomyza* known from farther north may eventually be found in Mexico. The family is very closely related to the Helcomyzidae, which should probably be considered a subfamily. The habits of the Dryomyzidae are little known, but the larvae are apparently saprophagous.

Genus SCIOGRIPHONEURA Malloch

SCIOGRIPHONEURA Malloch, 1933: 300. Type-species, *nigriventris* Malloch (orig. des.).

BRUNNEA Steyskal, new species. Female. Length of wing 7 mm. Differs from *S. nigriventris* in wholly brown abdomen (only a little blackish basilaterally), wholly tawny humerus and notopleuron, tawny antenna (only apical part of 3rd segment a little infumated), small lozenge-shaped black mark apicad of frontal triangle, costal spinules of anterior row no longer or stronger than those of dorsal row, and wing veins R_5 and M fused for a short distance at tip of wing. Holotype and sole known specimen, Brazil, Rio de Janeiro, Itatiaia (Faz. Serra), viii.1946 (M. P. Barretto), in the Museu de Zoologia, Universidade de São Paulo.

NIGRIVENTRIS Malloch, 1933: 301. Type-locality: Chile, Chiloé, Ancud. Distr. — Chile (Chiloé).

SPECIES DUBIAE OR TRANSFERRED SPECIES

Dryomyza advena Wiedemann. See Lauxaniidae, genus *Dryomyzothoa*.

D. dubia Macquart. 1843: *Mém. Soc. Sci. Agr. Arts Lille* 1842: 343 (Dipt. exot., sep. 2, pt. 3: 186). "Patrie inconnue". Species dubia.

62.1



D. maculipes Walker, 1861: *Trans. ent. Soc. Lond.* (2) 5: 319. "Mexico".
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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

63

FAMILY SEPSIDAE

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The Sepsidae are a rather small family of medium-sized or small flies of slender build and usually of metallic purplish color. The larvae develop in various kinds of decayed matter and are especially abundant at dung and carcasses. The males usually have the fore femora modified with spinules, denticles, and emarginations to aid in grasping the bases of the female's wings during copulation. Duda's great monograph (1923) is still the most important and only comprehensive work on the family. Steyskal (1943) gave a key to the American genera and Hennig (1949) included much data on the biology of the family.

Genus MEROPLIOSEPSIS Duda

MEROPLIOSEPSIS Duda, 1926:(v.39)28. Type-species, *serretosa* Duda (mon.).
SEXSETOSA Duda, 1926:(v.39)28, (v.40)79, figs. 71a, b (p. 106). Type-locality:
Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica.

Genus NEMOPODA Robineau-Desvoidy

NEMOPODA Robineau-Desvoidy, 1830:743. Type-species, *putris* Robineau-Desvoidy (Rondani, 1874:170, 178 [4, 12]) = *nitidula* (Fallén).

The regional species are all unrecognized and it is therefore doubtful whether they actually belong in the genus.

CUBENSIS Bigot, 1886:390. Type-locality: "Cuba". Unrecognized.

FULVICEPS Bigot, 1886:391. Type-locality: Argentina, Buenos Aires. Unrecognized.

LATERALIS Macquart, 1843:390 (233). Type-locality: "Du Brésil ou du Chili". Unrecognized.

XANTHOSTOMA Bigot, 1886:391. Type-locality: Argentina, Buenos Aires. Unrecognized.

Genus PALAEOSEPSIS Duda

Sepsis, subg. PALAEOSEPSIS Duda, 1926:(v.39)43. Type-species, *dentata* Becker (Hendel, 1936:62).

63.1

- ALBICONA (Thomson), 1869:588 (*Sepsis*). Type-locality: "Brazil". Distr. — Brazil.
- ARMATA (Schiner), 1868:261 (*Sepsis*). Type-locality: "Brazil". Distr. — West Indies (Puerto Rico, Haiti), Costa Rica, Panama, Guyana, Colombia, Brazil, Peru, Bolivia, Uruguay.
- hoplicnema* Melander & Spuler, 1917:17, fig. 12 (p. 81) (*Sepsis*). Type-locality: "Haiti".
- ARMILLATA (Melander & Spuler), 1917:18, fig. 6 (p. 81, captioned as of *furcata*) (*Sepsis*). Type-locality: "Haiti" (a male specimen in U.S. National Museum has been made lectotype). Distr. — West Indies (Bahamas, Puerto Rico, Haiti).
- BILOBATA (Becker), 1919:206, pl. 17, fig. 1 (*Sepsis*). Type-locality: Ecuador, Cuenca. Distr. — Ecuador.
- CARNIVORA (Curran), 1934:436 (*Sepsis*). Type-locality: Guyana, Bartica district, Kartabo. Distr. — Guyana. N. COMB.
- DENTATA (Becker), 1919:207, pl. 17, fig. 2 (*Sepsis*). Type-locality: Ecuador, Cuenca. Distr. — Venezuela, Ecuador, Bolivia.
- DENTATIFORMIS (Duda), 1926:(v.39)46, (v.40)89 (*Sepsis*). Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica.
- DISCOLOR (Bigot), 1857:823 (*Sepsis*). Type-locality: "Cuba". Unrecognized; this can hardly be equal to *P. scabra* (as *haemorrhoidalis*), as has been suggested, since Bigot stated "abdomine brunneo-nigricante."
- ECALCARATA (Thomson), 1869:588 (*Sepsis*). Type-locality: "California". Distr. — U.S.A., Mexico (Baja California).
- FURCATA (Melander & Spuler), 1917:19, fig. 11 (p. 81, captioned as of *armillata*) (*Sepsis*). Type-locality: "Jamaica". Distr. — West Indies (Puerto Rico, Cuba, Jamaica), Costa Rica, Colombia, Brazil, Peru, Paraguay.
- INCISA (Becker), 1919:206, pl. 17, fig. 8 (*Sepsis*). Type-locality: Ecuador, Cuenca. Distr. — Ecuador.
- INFLEXA (Becker), 1919:215, pl. 17, fig. 9 (*Sepsis*). Type-locality: Ecuador, Cuenca; Tio-Loma, Quinua-Loma; Mirador; Yausai; El Angel; Casitagua. Distr. — Ecuador.
- INSULARIS (Williston), 1896:431, pl. 14, fig. 159 (*Sepsis*). Type-locality: West Indies, St. Vincent Island. Distr. — U.S.A., West Indies (Bahamas, Puerto Rico, Jamaica, Haiti, Saint Vincent). This species has been confused with *P. pusio*, and records therefore are doubtful, although apparently both species occupy much of the same area.
- LATICORNIS (Duda), 1926:(v.39)45, (v.40)86, fig. 74 (p. 106) (*Sepsis*). Type-locality: Colombia, San Lorenzo. Distr. — Colombia.
- MITIS (Curran), 1927:1, fig. 2 (*Sepsis*). Type-locality: Colombia, San Lorenzo Mountains, Vista Nieve. Distr. — Colombia.
- PUSIO (Schiner), 1868:262 (*Sepsis*). Type-locality: "South America". Distr. — West Indies (Cuba, Jamaica, Puerto Rico), Costa Rica, south to Argentina. Many of the recorded localities may actually refer to *P. insularis*.
- SCABRA (Loew), 1861:42 (*Sepsis*). Type-locality: West Indies, "Cuba". Distr. — U.S.A. (Texas), West Indies (Cuba, Dominica Island,

- Puerto Rico, Jamaica), Mexico, south to Paraguay and Argentina.
haemorrhoidalis Schiner, 1868:261 (*Sepsis*). Type-locality: "Brazil".
 N. SYN.
pleuralis Coquillett, 1904:35 (*Sepsis*). Type-locality: U.S.A., Texas,
 Brownsville. N. SYN.
 SIMPLICULA Steyskal, new name for *simplex* Curran, preoccupied. Type-
 locality: West Indies, Puerto Rico, Adjuntas. Distr. — West
 Indies (Puerto Rico).
simplex Curran, 1928:75 (*Sepsis*; preocc. Goetghebuer & Bastin, 1925).

Genus SEPSIS Fallén

- SEPSIS Fallén, 1810:17. Type-species, *Musca cynipsea* Linnaeus (Curtis,
 1829:pl. 245). Both of the species listed here are highly dubious,
 but eventually some of the widespread holarctic species, especially
Sepsis punctum (Fabricius), may be found within the limits of
 this catalogue.
 FULVICORNALIS (Bigot), 1886:390 (*Nemopoda*). Type-locality: "California";
 "?Cuba". Unrecognized.
 UMBRIFER Schiner, 1868:262. Type-locality: "South America". Unrecog-
 nized.

Genus THEMIRA Robineau-Desvoidy

- THEMIRA Robineau-Desvoidy, 1830:745. Type-species, *pilosa* Robineau-
 Desvoidy (Rondani, 1874:170 [4, 12]) = *putris* (Linnaeus).

Subgenus ENICITA Westwood

- Enicopus* Walker, 1833:253. (preocc. Stephens, 1830). Type-species, *Sepsis*
annulipes Meigen (mon.).
Sepsis, subg. ENICITA Westwood, 1840:148 (nom. nov. for *Enicopus* Walker).
 Type-species, *Sepsis annulipes* Meigen (aut.).
 FUSCA (Bigot), 1886:387 (*Enicopus*). Type-locality: "Mexico". Unrecog-
 nized.

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SciELO



SciELO

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A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

64

FAMILY SCIOMYZIDAE

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About 600 species of Sciomyzidae are known, with 74 species in 23 genera described from the Americas south of the United States. The sciomyzid fauna of this area is relatively poorly known, and many new species, particularly of such genera as *Sepedonea* and *Pherbellia*, probably will be discovered, especially in the interior. The Sciomyzinae is the only subfamily of Sciomyzidae known from the Americas south of the United States.

A key to the genera of Sciomyzidae from the Americas south of the United States was presented by Steyskal & Knutson (1975). Recent papers by Kaczynski, *et al.* (1969), Steyskal (1974), and Zuska & Berg (1974) treat the taxonomy and distribution of certain genera.

Adult Sciomyzidae are distinguished from other acalyptrate Diptera by the following combination of characters: antennae porrect, oral vibrissae absent, postocellar bristles present (except *Teutoniomyia*), anal vein complete to margin (except *Paractinocera*).



Larvae of all the approximately 200 species of Sciomyzidae reared from various parts of the world kill and feed on molluscs. The greatest number of reared species are voracious predators of most pulmonate aquatic snails occurring in many different kinds of freshwater habitats (e.g., *Sepedon*, *Sepedomerus*, and *Sepedonca*, Neff & Berg, 1966). Another large group includes species that are predatory to parasitoid or saprophagous on aquatic and semi-aquatic snails in wet or damp habitats (e.g., *Shannonia* and *Perilimnia*, Kaczynski, *et al.*, 1969). None of the Neotropical Sciomyzidae is known to have the unusual food preference of a few species reared in northern regions, i.e., snail eggs, slugs, operculate snails, and finger-nail clams (Sphaeriidae). However, 5 Neotropical genera (*Calliscia*, *Eutrichomelina*, *Euthycerina*, *Pseudomelina*, and *Tentoniomyia*) remain unknown biologically.

The morphology of the immature stages of Sciomyzidae provides a wealth of taxonomic characters. The thesis by Abercrombie (1970) (various portions now being prepared for publication) is the major source of information on the immature stages (see also papers by Neff & Berg, 1961, 1962, 1966; Kaczynski, *et al.*, 1969; Bratt, *et al.*, 1969; and Abercrombie & Berg, 1975). The larvae of all species, including aquatic predators, are air-breathers, and the posterior spiracles and spiracular discs are especially characteristic. The well-developed cephalopharyngeal skeleton also provides taxonomic characters; the presence of a pair of mouthhooks connected by a ventral bridge and the absence of oral grooves is diagnostic of the family.

A few species of Neotropical and Palearctic Sciomyzidae have been introduced into the Hawaiian Islands and other Pacific areas for biological control of snails that are intermediate hosts of disease-causing flatworms (Chock, *et al.*, 1961). The apparent absence of Sciomyzidae from certain microhabitats of such snails in the Neotropical Region indicates that the introduction of exotic species to occupy unfilled niches may provide some measure of biological control.

Sex and location of type specimens for each species are entered in brackets, before "Distribution". Abbreviations for these collections are as follows:

AMNH	American Museum of Natural History, New York
ANSP	Academy of Natural Sciences, Philadelphia
BMNH	British Museum (Natural History), London
CAS	California Academy of Sciences, San Francisco
CNC	Canadian National Collection, Ottawa
CU	Cornell University, Ithaca, New York
DEIB	Deutsches entomologisches Institut, Berlin
IML	Instituto Miguel Lillo, Tucumán
IOC	Instituto Oswaldo Cruz, Rio de Janeiro
MCZ	Museum of Comparative Zoology, Harvard University, Boston
MNHN	Muséum National d'Histoire Naturelle, Paris
NMW	Naturhistorisches Museum, Wien
NRS	Naturhistoriska Riksmuseet, Stockholm
OSU	Ohio State University, Columbus
UCS	Universidad de Chile, Santiago
UM	University of Michigan, Ann Arbor



- USNM United States National Museum of Natural History, Washington, D.C.
 UT Università di Torino, Turin
 UZMC Universitetets Zoologiske Museum, Copenhagen
 WNS Württembergische Naturaliensammlung, Staatliches Museum für Naturkunde, Stuttgart
 ZMA Zoologisch Museum, Amsterdam
 ZME Zoologisches Museum der Humboldt-Universität, Berlin
 ZSBS Zoologische Sammlung des Bayerischen Staates, Schloss Nymphenburg, Munich

We thank Dr. C. O. Berg, Cornell University, and Dr. K. R. Valley, Pennsylvania Dept. Agriculture, for reviewing the manuscript and making many important comments.

Subfamily SCIOMYZINAE

Tribe SCIOMYZINI

Genus ATRICHOMELINA Cresson

- ATRICHOMELINA Cresson, 1920: 40 (as *Achaetomaelina*, p. 30). Type-species, *Sciomyza pubera* Loew (mon.).
 PUBERA (Loew), 1862: 106 (*Sciomyza*). Type-locality: U.S.A., "Middle States" [♂, MCZ]. Distr. — Canada (Alberta to Quebec), U.S.A. (throughout, Washington to Maine, California to Florida), Mexico (Tamaulipas, D.F., Chiapas). Refs. — Foote, *et al.*, 1960 (biol. immat. stages, distr.); Boyes, *et al.*, 1969: 333 (karyotype).
squalens Wulp. 1897: 356, pl. 9, fig. 10 (*Sciomyza*). Type-locality: Mexico, Mexico City [♂ ♀, BMNH; also 1 syntype, ZMA, Wulp Coll., box n° 7]. N. SYN.

Genus CALLISCIA Steyskal

- CALLISCIA Steyskal, in Steyskal & Knutson, 1975: 275. Type-species, *Pherbellia callisceles* Steyskal (orig. des.).
 CALLISCELES (Steyskal), 1963: 117, figs. 4-5 (*Pherbellia*). Type-locality: Chile, Santiago, El Tabo (33° 27' S, 71° 41' W) [♂, USNM]. Distr. — Chile (El Tabo).

Genus EUTRICHOMELINA Steyskal

- EUTRICHOMELINA Steyskal, in Steyskal & Knutson, 1975: 275. Type-species *Sciomyza fulvipennis* Walker (orig. des.).
 ALBIBASIS (Malloch), 1933: 303, textfig. 56b (*Melina*). Type-locality: Chile, Llanquihue, Casa Pangué [♀, BMNH]. Distr. — Chile (Llanquihue: Casa Pangué, Peulla). N. COMB.
 FULVIPENNIS (Walker), 1837: 359 (*Sciomyza*). Type-locality: Chile, Straits of Magellan, Port Famine [♀, BMNH]. Distr. — Chile (Magallanes: Port Famine, Isla Piazzzi, Punta Arenas); Argentina (Rio Negro:



Bariloche). Refs. — Malloch, 1933: 305 (redescr.); Steyskal, 1966: 445 (type exam.).

Genus PHERBELLIA Robineau-Desvoidy

- PHERBELLIA** Robineau-Desvoidy, 1830: 695. Type-species, *vernalis* Robineau-Desvoidy (mon.) = *punctata* (Fabricius).
- Melina* Robineau-Desvoidy, 1830: 695 (preocc. Retzius, 1788). Type-species, *riparia* Robineau-Desvoiry (mon.) = *dubia* (Fallén).
- Graphomyzina* Macquart, 1835: 558. Type-species, *elegans* Macquart (orig. des.) = *limbata* (Meigen).
- Notopherbellia* Malloch, 1933: 311. Type-species, *chiloensis* Malloch (mon.). *Sciomyza*, authors.
- CHILOENSIS** (Malloch), 1933: 311 (*Notopherbellia*). Type-locality: Chile, Chiloé Is., Castro [♂, BMNH]. Distr. — Chile (Llanquihue: Lago Llanquihue, Puerto Montt; Chiloé: Castro (Isla de Chiloé), Isla Mechuque; Magallanes: (Rio Tres Pasos). Ref. — Boyes, *et al.*, 1969: 337 (karyotype).
- EVITTATA** (Malloch), 1933: 305 (*Melina*). Type-locality: Chile, Llanquihue, Casa Pangué [♀, BMNH]. Distr. — Chile (Llanquihue: Casa Pangué); Argentina (Rio Negro: Bariloche). N. comb.
- griseus* Meigen, 1830. — Not Neotropical.
- GUTTATA** (Coquillett), 1901: 615 (*Sciomyza*). Type-locality: U.S.A., Texas [♀, USNM]. Distr. — U.S.A. (Texas: Austin, Cameron Co.); Mexico (Chiapas, Tamaulipas); Bahamas; Jamaica (St. Anns); Colombia (Valle del Cauca: Palmira); Peru (Loreto: San Antonio).
- GUTTIPENNIS** (Hendel), 1932: 101 (*Graphomyzina*). Type-locality: Argentina, San José [♀, WNS]. Distr. — Argentina (San José).
- NANA** (Fallén), 1820: 15 (*Sciomyza*). Type-locality: Sweden, Esperöd [♂ ♀, NRS]. Distr. — Europe, throughout Canada and U.S.A., Mexico (Baja California, Tamaulipas, D.F.). Refs. — Boyes, *et al.*, 1969: 337 (karyotype); Bratt, *et al.*, 1969: 70 (biol., immat. stages, distr.).
- transducta* Walker, 1861: 320 (*Sciomyza*). Type-locality: "U.S.A." [?, BMNH].
- PARALLELA** (Walker), 1852: 401 (*Sciomyza*). Type-locality: "N. Amer." [♂, BMNH]. Distr. — Throughout southern Canada, U.S.A., Mexico and Costa Rica (San José). Refs. — Steyskal, 1963: 122, figs. 6-8 (♂ genitalia); Boyes, *et al.*, 1969: 333 (karyotype); Bratt, *et al.*, 1969: 35 (biol., immat. stages, distr.).
- humilis* Loew, 1876: 330 (*Sciomyza*). Type-locality: U.S.A., Texas [♂ ♀, MCZ]. N. SYN.
- serena* Wulp, 1897: 356 (*Sciomyza*). Type-locality: Mexico, Vera Cruz and Mexico City [♂ ♀, BMNH; no syntype in ZMA]. N. SYN.
- PATAGONENSIS** (Macquart), 1851: 251 (= 277) (*Sciomyza*). Type-locality: "Patagonie" [Carmen de Fatagones, Rio Negro, Argentina] [♂, MNHN]. Distr. — Peru (Cartario, Lima); Brazil (Espírito Santo: Baixo Guandu; Rio Grande do Sul: Pelotas); Argentina (Rio Negro: La Rioja: Patquia, Chosquín); Uruguay (Montevideo).



- Refs. — Steyskal, 1963: 122, fig. 10 (♂ genitalia); Boyes, *et al.*, 1969: 333 (karyotype).
- lathraea* Steyskal, 1963: 73, fig. 1. Type-locality: Argentina, La Rioja, Patquia [♂, IML]. N. SYN.
- PHILIPPI (Malloch), 1933: 306 (*Melina*). Type-locality: Chile, Santiago [♀, USNM]. Distr. — Chile (Santiago). N. COMB.
- FRABECULATA (Loew), 1872: 100 (Cent. 10, n° 81) (*Sciomyza*). Type-locality: U.S.A., Texas [♂, MCZ]. Distr. — U.S.A. (southern California and southern Utah southeastward to Texas); Mexico (Baja California, Tamaulipas, D.F., Oaxaca); Guatemala (Amatitlán). Refs. — Boyes, *et al.*, 1969: 337 (karyotype); Bratt, *et al.*, 1969: 55 (biol. immat. stages, distr.).
- strigata* Wulp. 1897: 355. pl. 9, fig. 9 (*Sciomyza*). Tpe-locality: Mexico, Mexico City and Vera Cruz [♂ ♀, BMNH].
- VITTIGERA (Malloch), 1933: 306 (*Melina*). Type-locality: Chile, Llanquihue, Casa Pangué [♂, BMNH]. Distr. — Chile (Llanquihue). N. COMB.

Genus PARECTINOCERA Becker

- PARECTINOCERA Becker, 1919: 188. Type-species, *neotropica* Becker (mon.).
- Dichrochirosa* Malloch, 1933: 308. Type-species, *inaequalis* Malloch (orig. des.).
- DISSIMILIS (Malloch), 1933: 310 (*Dichrochirosa*). Type-locality: Argentina, Buenos Aires [♀, BMNH]. Distr. — Argentina (Buenos Aires; Santa Cruz: Rio Coig). Ref. — Boyes, *et al.*, 1969: 338 (karyotype). N. COMB.
- INAEQUALIS (Malloch), 1933: 309 (*Dichrochirosa*). Type-locality: Argentina, Rio Negro, L. Nahuel Huapi (eastern end) [♂ ♀, BMNH]. Distr. — Chile (Llanquihue: Casa Pangué, Peulla, Puerto Varas, Angol); Ecuador (Azuay); Argentina (Rio Negro: L. Nahuel Huapi, Bariloche, L. Correntoso). N. COMB.
- NEOTROPICA Becker, 1919: 189. Type-locality: Ecuador, Alausi, 2390 m [♂ ♀, MNHN]. Distr. — Ecuador (Alausi).

Genus PSEUDOMELINA Malloch

- PSEUDOMELINA Malloch, 1933: 307. Type-species, *apicalis* Malloch (orig. des.).
- APICALIS Malloch, 1933: 307. Type-locality: Chile, Llanquihue, Puerto Montt. [♂, BMNH]. Distr. — Chile (Llanquihue).

Tribe TETANOCERINI

Genus ANTICHAETA Haliday

- Sciomyza*, subg. ANTICHAETA Haliday, 1838: 187. Type-species, *Tetanocera vittata* Haliday (orig. des.) = *analis* (Meigen).
- Heteropteryx* Hendel, 1902: 81 (preocc. Gray, 1835). Type-species, *Sciomyza brevipennis* Zetterstedt (mon.).
- Hemitelopteryx* Cresson, 1920: 51 (nom. nov. for *Heteropteryx* Hendel). Type-species, *Sciomyza brevipennis* Zetterstedt (aut.).



Lioya Enderlein, 1939: 205. Type-species, *Sciomyza atriseta* Loew (mon.).
Sp. undescribed: Michoacán, Mexico (*teste* K. R. Valley).

Genus DICTYA Meigen

DICTYA Meigen, 1803: 277. Type-species, *Musca umbrarum* L. (traditional type pending submission of proposal to I.C.Z.N. for fixation of type-species).

Monochaetophora Hendel, 1900: 355. Type-species, *Musca umbrarum* L. (mon.).

ABNORMIS Steyskal, 1954: 518, fig. 4. Type-locality: Mexico, Chihuahua, Sierra Madre, head of R. Piedras Verdes, about 2,225 m [δ , USNM]. Distr. — Mexico (Chihuahua, Durango, Oaxaca). Ref. — Steyskal, 1960: 36, fig. 6 (descr. \varnothing).

GUATEMALANA Steyskal, 1954: 520, fig. 5. Type-locality: Guatemala, "Guatemalan forest" [δ , USNM]. Distr. — Guatemala, Costa Rica (San José).

INCISA Curran, 1932: 6, fig. 111. Type-locality: U.S.A., Arizona, G. Zuni River [δ , ?]. Distr. — U.S.A. (Washington to w. Kansas, s. to California and New Mexico); Mexico (Nuevo León: Villa de García). Refs. — Steyskal, 1954: 530, figs. 26, 37 (redescr.; δ \varnothing genitalia); Valley, 1974 (biol., immat. stages, distr.).

INSULARIS Steyskal, 1954: 520, figs. 6, 9. Type-locality: Puerto Rico, San Juan, Santurce, Faxon Mills [δ , USNM]. Distr. — Puerto Rico (San Juan, Gurabo); Jamaica (St. Catherine).

lobifera Curran, 1932. — Not Neotropical.

MATTHEWSI Steyskal, 1960: 36, figs. 4, 7, 8. Type-locality: Mexico, Chiapas, Las Cruces (near Cintalapa) [δ , CU]. Distr. — U.S.A. (Arizona: Bill Williams); Mexico (Morelos, Jalisco, Oaxaca, Chiapas). Ref. — Valley, 1974 (biol., immat. stages, distr.).

MEXICANA Steyskal, 1954: 534, figs. 28, 36. Type-locality: Mexico, Tamaulipas, Hacienda Santa Engracia (vic. Ciudad Victoria) [δ , CAS]. Distr. — U.S.A. (Texas: Jefferson Co., 17 mi. w. Sabino Pass); Mexico (Tamaulipas: Tampico, Hacienda Santa Engracia).

NEFFI Steyskal, 1960: 38, figs. 11-12. Type-locality: Guatemala, Patzún, Chimaltenango, Ruta Nac. 1, km 90 [δ , CU]. Distr. — Mexico (Chiapas, San Luis Potosí); Guatemala (Guatemala City, Patzún).

pictipes (Loew), 1858. — Not Neotropical.

SABROSKYI Steyskal, 1938: 8, pl. 2, figs. 1-2. Type-locality: U.S.A., Kansas, Manhattan [δ , USNM]. Distr. — U.S.A. (South Dakota to Michigan, s. to Louisiana and Texas); Mexico (Tamaulipas, Chiapas: San Cristóbal de las Casas). Refs. — Steyskal, 1954: 536, figs. 21, 36 (δ \varnothing genitalia); Boyes, *et al.*, 1969: 338 (karyotype); Valley, 1974 (biol., immat. stages, distr.).

sabroskii Steyskal of Jaques, 1939, error.

TEXENSIS Curran, 1932: 6, figs. 7-8. Type-locality: U.S.A., Texas, Austin [δ , AMNH]. Distr. — U.S.A. (Idaho and South Dakota to New Jersey, s. to South Carolina, Texas, Arizona and California); Mexico (Tamaulipas: nr. Mier and Reynosa). Refs. — Steyskal.

1954: 527, figs. 3a, 25 (♂ ♀ genitalia); Valley, 1974 (biol., immat. stages, distr.).
umbrarum (Linnaeus), 1758. — Not Neotropical.

Genus DICTYODES Malloch

Retellia Robineau-Desvoidy, 1830: 683. Type-species, *claropunctata* Robineau-Desvoidy (mon.) = *dictyodes* (Wiedemann). Although this name has priority, we prefer to maintain *Dictyodes* as the valid name, in the interests of stability.

DICTYODES Malloch, 1933: 321. Type-species, *Tetanocera dictyodes* Wiedemann (orig. des.).

DICTYODES (Wiedemann), 1830: 583 (*Tetanocera*). Type-locality: Brazil, Rio de Janeiro [♀, ?ZMW]. Distr. — Bolivia (Cochabamba); Brasil (Rio de Janeiro to Rio Grande do Sul); Argentina (Buenos Aires). Refs. — Boyes, *et al.*, 1969: 341 (karyotype); Abercrombie, 1970 (biol., immat. stages, distr.).

claropunctata Robineau-Desvoidy, 1830: 683 (*Retellia*). Type-locality: Brazil, "de l'intérieur du Brésil" [?, lost].

PLATENSIS Steyskal, 1974: 429. Type-locality: Uruguay, Montevideo [♂, USNM]. Distr. — Uruguay (Montevideo); Argentina (Buenos Aires, Tandil).

Genus EUTHYCERA Latreille

EUTHYCERA Latreille, 1829: 529. Type-species, *Musca chaerophylli* Fabricius (mon.).

Lunigera Hendel, 1900: 344. Type-species, *chaerophylli* Fabricius (mon.).

MIRA Knutson & Zuska, 1968: 81, fig. 5. Type-locality: Mexico, Durango, 10.5 km sw El Salto, 2,438 m. [♂, CNC]. Distr. — Mexico (El Salto).

Genus EUTHYCERINA Malloch

EUTHYCERINA Malloch, 1933: 321. Type-species, *vittithorax* Malloch (orig. des.).

PILOSA Malloch, 1933: 323, textfig. 57m. Type-locality: Chile, Llanquihue, Puerto Montt [lectotype ♂, BMNH]. Distr. — Chile (Llanquihue: Puerto Montt, Peulla, Ensenada; Santiago: Santiago; Chiloé: Ancud, Castro).

VITTITHORAX Malloch, 1933: 322, textfig. 57k-l. Type-locality: Argentina, Rio Negro, Bariloche [♂, BMNH]. Distr. — Chile (Llanquihue: Casa Pangué, Ensenada; Chiloé: Ancud, Puntra); Argentina (Rio Negro: Bariloche, L. Nahuel Huapi, Puerto Sabino, L. Correntoso, Puerto Blest).

Genus GUATEMALIA Steyskal

GUATEMALIA Steyskal, 1960: 33. Type-species, *hubbelli* Steyskal (orig. des.) = *straminata* (Wulp).



STEAMINATA (Wulp), 1897: 357, pl. 9, fig. 11 (*Tetanocera*). Type-locality: Mexico, Guerrero, Amula, 1829 m [♂ ♀, BMNH]. Distr. — Mexico (Guerrero); Guatemala (Panajachel, Sololá). Ref. — Steyskal, 1966: 448 (type exam.).

hubbelli Steyskal, 1960: 33, figs. 1-4. Type-locality: Guatemala, Panajachel, Sololá, 1560 m [♂, UM].

Genus HOPLODICTYA Cresson

HOPLODICTYA Cresson, 1920: 67. Type-species, *Tetanocera setosa* Coquillett (orig. des.).

acuticornis (Wulp), 1897. — Not Neotropical. Ref. — Fisher & Orth, 1972b: 178.

AUSTRALIS Fisher & Orth, 1972b: 174, figs. 1, 2, 9. Type-locality: U.S.A., Florida, Monroe Co., Everglades National Park, Flamingo [♂, USNM]. Distr. — U.S.A. (Georgia, Florida, Mississippi, Louisiana, Texas); Bahamas (Andros Town); Cuba (Havana).

SPINICORNIS (Loew), 1866: 181 (Cent. 6, n° 86) (*Tetanocera*). Type-locality: "Cuba" [♀, MCZ]. Distr. — U.S.A. (New Jersey, Delaware, Maryland, D.C., Georgia, Florida, Mississippi, Louisiana, Texas); Mexico (Michoacán, Oaxaca, Lomatán, Puebla); Guatemala (Totonicapán, Cobán); Cuba; Jamaica (Portland). Refs. — Neff & Berg, 1962 (biol., immat. stages, distr.); Boyes *et al.*, 1969: 341 (karyotype); Fisher & Orth, 1972b: 176, figs. 3, 4, 111, 14 (redescr., ♂ ♀ genitalia; type exam., distr.).

Genus PERILIMNIA Becker

PERILIMNIA Becker, 1919: 189. Type-species, *albifacies* Becker (mon.).

Notosciomyza Malloch, 1933: 313. Type-species, *dubia* Malloch (orig. des.). = *albifacies* Becker.

ALBIFACIES Becker, 1919: 189. Type-locality: Ecuador, Cuenca [♂ ♀, MNHN]. Distr. — Colombia (Cundinamarca, Putumayo); Ecuador (Azuay, El Oro, Pichincha); Peru (Cusco); Bolivia (La Paz); Brazil (Rio Grande do Sul); Uruguay (Montevideo); Argentina (Tucumán, Jujuy, Corrientes, Córdoba, Mendoza, Buenos Aires, Rio Negro, Chubut, Santa Cruz, La Rioja); Chile (Valparaíso, Malleco, Atacama, Coquimbo, Aconcagua, Santiago, Maule, Concepción, Osorno, Llanquihue, Aysén, Magallanes). Refs. — Steyskal, 1953: 75; 1963: 123; Boyes, *et al.*, 1969: 338 (karyotype); Kaczynski, *et al.*, 1969: figs. 1, 2, 6, 11-19, 29-34, 41-48 (♂ genitalia, biol., immat. stages, distr.).

dubia Malloch, 1933: 313, textfigs. 56a, 57a-b (*Notosciomyza*). Type-locality: Argentina, L. Nahuel Huapi, eastern end [♀, BMNH].

ZINERITIA Zuska, in Kaczynski, *et al.*, 1969: 576, figs. 3, 7. Type-locality: Chile, Antofagasta, Múcar, 4000 m [♂, CNC]. Distr. — Chile (Antofagasta).

Genus PROTODICTYA Malloch

PROTODICTYA Malloch, 1933: 319. Type-species, *chilensis* Malloch (orig. des.).

- APICALIS** Steyskal, 1950: 37. Type-locality: Brazil, Minas Gerais, Juiz de Fora, Salvaterra [♂, IOC]. Distr. — Brazil (Minas Gerais, São Paulo, Paraná). Ref. — Abercrombie, 1970 (biol., immat. stages, distr.).
- BRASILIENSIS** (Schiner), 1868: 235 (*Sepedon*). Type-locality: "Brazil" [♂ ♀, NMW]. Distr. — Brail (Rio de Janeiro). Ref. — Steyskal, 1950: 38, fig. 2 (redescr., ♂ genitalia).
- CHILENSIS** Malloch, 1933: 319, textfigs. 56c, 57e-g. Type-locality: Chile, Llanquihue, Peulla [♂, BMNH]. Distr. — Chile (Atacama to Llanquihue); Argentina (Rio Negro, Chubut). Refs. — Steyskal, 1950: 34 (in key); Abercrombie, 1970 (biol., immat. stages, distr.).
- gutturalis* Wiedemann of Brèthes, 1925: 208, error, misident.
- GUTTULARIS** (Wiedemann), 1830: 584 (*Tetanocera*). Type-locality: Uruguay, Montevideo [?, ZMB]. Distr. — Bolivia (Cochabamba); Brazil (São Paulo to Rio Grande do Sul); Uruguay (Montevideo); Argentina (Catamarca to Corrientes, s. to Buenos Aires). Ref. — Malloch, 1933: 317, textfigs. 57h-j (♂ genitalia); Steyskal, 1950: 34 (in key); 1966: 446 (type exam.); Eoyes, et al., 1969: 341 (karyotype); Abercrombie, 1970 (biol., immat. stages, distr.).
- angulifera* Walker, 1849: 1085 (*Tetanocera*). Type-locality: Uruguay, Montevideo [♀, BMNH]. Ref. — Steyskal, 1966: 446 (type exam.).
- gutturalis* Wiedemann of Brèthes, 1907: 300, error.
- IGUASSU** Steyskal, 1950: 38. Type-locality: Brazil, Paraná, Iguazu [♂, IOC]. Distr. — Brazil (Paraná: Iguazu; Santa Catarina: Nova Teutônia); Argentina (Misiones: Iguazú; Buenos Aires: Campana, Delta del Paraná).
- LILLOANA** Steyskal, 1953: 74, fig. 2. Type-locality: Argentina, Formosa, Pirané [♂, IML]. Distr. — Brazil (Paraná, Rio Grande do Sul); Argentina (Formosa, Tucumán, Chaco, Misiones, Corrientes, Salta, Buenos Aires); Paraguay (Guaira). Ref. — Abercrombie, 1970 (biol., immat. stages, distr.).
- NUBILIPENNIS** (Wulp), 1897: 360, pl. 9, fig. 14 (*Sepedon*). Type-locality: Mexico, Sinaloa, Presidio de Mazatlán; Veracruz: Atoyac [♂ ♀, BMNH]. Distr. — Mexico; Guatemala; Honduras; Nicaragua; Costa Rica, Panama. Refs. — Steyskal, 1950: 39 (type exam.); Neff & Berg, 1961 (biol., immat. stages, distr.).
- hondurana* Steyskal, 1950: 35, fig. 1. Type-locality: Honduras, Pt. Cortés [♂, OSU].

Genus SEPEDOMERUS Steyskal

- SEPEDOMERUS** Steyskal, 1973: 144. Type-species, *Sepedon macropus* Walker (orig. des.).
- BIPUNCTICEPS** (Malloch), 1933: 299, textfig. 55a (*Sepedon*). Type-locality: Argentina, Buenos Aires, La Plata City [♀, BMNH]. Distr. — Panama (Panamá); Colombia (Valle del Cauca, Morga, Cali); Brazil (Acre, Goiás, Minas Gerais, Paraná, Rio Grande do Sul); Paraguay (Villarrica, Guaira); Uruguay (Montevideo, Colón); Argentina (D.F., Chaco, Buenos Aires, La Plata, Catamarca).

- spp. *TRINIDADENSIS* (Steyskal), 1951: 277, pl. 5, fig. 27 (*Sepedon*). Type-locality: Trinidad, Port of Spain [♂, USNM]. Distr. — Trinidad (Port of Spain).
- CAERULEUS* (Melander), 1920: 332 (*Sepedon*). Type-locality: Haiti [♂, USNM]. Distr. — Haiti; Dominican Republic; Puerto Rico. Refs. — Steyskal, 1951: 276, pl. 5, fig. 25 (♂ hind femur and tibia); Neff & Berg, 1966 (biol., immat. stages, distr.).
- MACROPUS* (Walker), 1849: 1078, textfig. 556 (*Sepedon*). Type-locality: Jamaica [♂, BMNH]. Distr. — U.S.A. (Texas); Cuba; Jamaica; Puerto Rico; Trinidad; Mexico; Guatemala; Honduras; Nicaragua; Costa Rica; Panama; Colombia; Ecuador; Peru. Refs. — Malloch, 1914: 323 (synonymy); Steyskal, 1951: 276, pl. 5, fig. 24 (♂ hind femur and tibia); Chock, *et al.*, 1961 (biol. control); Neff & Berg, 1966 (biol., immat. stages, distr.); Boyes, *et al.*, 1969: 344 (karyotype).
- nigriventris* Wulp, 1897: 359 (*Sepedon*). Type-locality: Mexico, Vera Cruz [♀, BMNH].

Genus *SEPEDON* Latreille

- SEPEDON* Latreille, 1804: 196. Type-species, *Syrphus sphegeus* Fabricius (mon.).
- ARMIPES* Loew, 1859: 298. Type-locality: U.S.A., "Middle States" [♂, MCZ]. Distr. — U.S.A. (Idaho, Utah, and Arizona eastward); Mexico, (Tamaulipas, Nuevo León, Imuris, Sonen). Refs. — Steyskal, 1951: 279, pl. 1, fig. 1 (♂ genitalia, hind femur and tibia); Neff & Berg, 1966 (biol., immat. stages, distr.); Boyes, *et al.*, 1969: 344 (karyotype); Fisher & Orth, 1969: figs. 2, 3, 8, 12 (♂ ♀ genitalia, distr.).
- PACIFICA* Cresson, 1914: 457. Type-locality: U.S.A., California, Marin Co., Redwood Canyon [♂, ANSP]. Distr. — U.S.A. (North Dakota and Iowa w. to Pacific Coast); Mexico (n. Baja California del Norte). Ref. — Fisher & Orth, 1972a: figs. 7-12 (♂ genitalia, distr., type exam.).
- PRAEMIOSA* Giglio-Tos, 1893: 8. Type-locality: Mexico, Morelia [♂, box n° 28, UT]. Distr. — U.S.A. (Nebraska, Kansas, Colorado, Utah, Arizona, New Mexico); Mexico (central highlands s. to Oaxaca). Refs. — Steyskal, 1951: 278, pl. 3, fig. 13, pl. 5, fig. 26 (♂ genitalia, stages, distr.); Fisher & Orth, 1972a: figs. 1-6 (♂ genitalia, biol., distr.).
- RELICTA* Wulp, 1897: 359. Type-locality: Mexico, Mexico City [♀, BMNH]. Distr. — Mexico (D.F., Hidalgo, Michoacán). Refs. — Steyskal 1951; Neff & Berg, 1966 (biol., immat. stages, distr.); Fisher & Orth, 1972a (type exam.).
- haplobasis* Steyskal, 1960: 42 figs. 15-18. Type-locality: Mexico, D.F., Ruta 190, km 15 [♂, CU].

Genus *SEPEDONEA* Steyskal

- SEPEDONEA* Steyskal, 1973: 145. Type-species, *Sepedon lindneri* Hendel (orig. des.).

- GUATEMALANA (Steyskal), 1951: 293, pl. 4, fig. 19, pl. 5, figs. 21-22 (*Sepedon*). Type-locality: Guatemala, Los Amates [δ , OSU]. Distr. — Mexico (Chiapas); Guatemala (Los Amates, Santa Rosa); Nicaragua (Chinandega); Costa Rica (San Antonio-Desamparados). Ref. — Neff & Berg, 1966 (biol., immat. stages, distr.).
- GUIANICA (Steyskal), 1951: 295, pl. 4, fig. 18 (*Sepedon*). Type-locality: "Guyane" (French Guiana), Maroni, Comoro Is. [= Comoro Is., Maroni R.] [δ , BMNH]. Distr. — Colombia (Valle); Venezuela (Cojedes); French Guiana (Maroni R.); Surinam (Paramaribo).
- ISTHMI (Steyskal), 1951: 291, pl. 4, fig. 20 (*Sepedon*). Type-locality: Panama, Canal Zone, Corozal [δ , USNM]. Distr. — Panama (Canal Zone: Corozal, Juan Mina); Trnidad (Caroni River, Port-of-Spain); Venezuela (Aragua, Cojedes, Carabobo); Colombia (Valle); Bolivia (Rurrenabaque); Brazil (Amazonas, Goiás, São Paulo).
- LAGOA (Steyskal), 1951: 293, pl. 4, fig. 17 (*Sepedon*). Type-locality: Brazil, Minas Gerais, Lagoa Santa [δ , IOC]. Distr. — Costa Rica (San José); Brazil (Amazonas, Minas Gerais, São Paulo); Paraguay (Guairá). Ref. — Abercrombie, 1970 (biol., immat. stages, distr.).
- LINDNERI (Hendel), 1932: 99 (*Sepedon*). Type-locality: Argentina, San José and Tapiokiolé; Paraguay: Trinidad near Asunción [δ ♀, WNS]. Distr. — Brazil (Rio Grande do Sul); Paraguay (Cordillera: San Bernardino, Trinidad near Asunción); Argentina (Formosa, Catamarca, Tucumán, Chaco, La Rioja, Santa Fé, Buenos Aires). Refs. — Steyskal, 1951: 291, pl. 4, fig. 15 (δ genitalia); Abercrombie, 1970 (biol., immat. stages, distr.).
- TELSON (Steyskal), 1951: 291, pl. 4, figs. 16, 16a (*Sepedon*). Type-locality: Brazil, Minas Gerais, Juiz de Fora [δ , IOC]. Distr. — Brazil (D.F., Minas Gerais, São Paulo, Paraná, Santa Catarina, Rio Grande do Sul). Ref. — Abercrombie, 1970 (biol., immat. stages, distr.).

Genus SHANNONIA Malloch

- SHANNONIA Malloch, 1933: 312. Type-species, *Tetanocera costalis* Walker (orig. des.).
- COSTALIS (Walker), 1837: 359 (*Tetanocera*). Type-locality: Chile, Magallanes, Port Famine [?, BMNH]. Distr. — Chile (Magallanes: El Ganso, Puerto Williams, Port Famine, Ultima Esperanza). Refs. — Steyskal, 1966: 446 (type examen.); Kaczynski, et al., 1969: 577, figs. 4, 8 (δ genitalia, redescri., distr.).
- MERIDIONALIS Zuska, in Kaczynski, et al., 1969: 577, figs. 5, 9, 20-28, 35-40, 49-56. Type-locality: Chile, Santiago, 4 km w. of Baños Morales [δ , CU]. Distr. — Chile (Juan Fernández Is., Atacama to Aysén); Argentina (Rio Negro, Chubut, Santa Cruz). Ref. — Kaczynski, et al., 1969 (biol., immat. stages, distr.).

Genus TETANOCERA Duméril

- TETANOCERA Duméril, 1800: 439 (as *Tétanocère*). Type-species, *Musca elata* Fabricius (Westwood, 1840).

- PLUMOSA Loew, 1847: 201. Type-locality: U.S.A., Alaska, Sitka [♀, MCZ].
Distr. — Alaska to Newfoundland, s. to Nevada, New Mexico and North Carolina; Mexico (Durango: Ciudad). Refs. — Steyskal, 1959: figs. 7-8, 32 (♂ genitalia); Foote, 1961 (biol., immat. stages); Boyes, *et al.*, 1969: 343 (karyotype).
- plumifera* Wulp, 1897: 359 (*Tetanocera*). Type-locality: Mexico, Durango, Ciudad, 2469 m [♂, BMNH]. Ref. — Steyskal, 1966: 448 (type exam.).
- SPRETA Wulp, 1897: 358. Type-locality: Mexico: Jalisco and Mexico City [♂ ♀, BMNH]. Distr. — Mexico (D.F., Jalisco, Michoacán). Ref. — Steyskal, 1959: 68, fig. 9 (♂ genitalia); Foote, 1961 (biol., immat. stages); Steyskal, 1966: 448 (type exam.).

Genus TETANOCEROIDES Malloch

- TETANOCEROIDES Malloch, 1933: 315. Type-species, *mesopleuralis* Malloch (orig. des.).
- EISETOSUS (Thomson), 1869: 570 (*Tetanocera*). Type-locality: Uruguay, Montevideo [♀, NRS]. Distr. — Chile (Atacama, Coquimbo, Santiago, Valdivia, Osorno, Llanquihue, Aisén, Magallanes, including Tierra del Fuego); Argentina (D.F., Buenos Aires, Rio Negro, Chubut, Santa Cruz). Refs. — Boyes, *et al.*, 1969: 344 (karyotype); Abercrombie, 1970 (biol., immat. stages, distr.); Zuska & Berg, 1974: figs. 8, 18, 23, 27, 40, 46, 60 (♂ ♀ genitalia, color variation).
- occidentalis* Wulp, 1883: 48, pl. 2, fig. 9 (*Ectinocera*). Type-locality: "Argentina" [♂, lost?].
- DENTIFER Zuska, in Zuska & Berg, 1974: 336, figs. 10, 16, 22, 32, 33, 44, 52, 55, 62. Type-locality: Argentina, Santa Cruz, s. of Lago Buenos Aires [♂, CU]. Distr. — Chile (Arauco, Malleco, Aisén, Magallanes); Argentina (Chubut, Santa Cruz). Ref. — Abercrombie, 1970 (biol., immat. stages, distr.).
- FULVITHORAX Malloch, 1923: 318, textfigs. 57c-d. Type-locality: Chile, Llanquihue, Casa Pangué [♂, BMNH]. Distr. — Chile (Valdivia to Osorno, Chiloé); Argentina (Rio Negro). Refs. — Abercrombie, 1970 (biol., immat. stages, distr.); Zuska & Berg, 1974: figs. 1-2, 9, 13, 24, 28, 37, 43, 48, 50, 54, 57, 59 (♂ ♀ genitalia, color variation).
- MENDICUS Zuska, in Zuska & Berg, 1974: 34, figs. 6, 14, 19, 31, 35, 42, 49, 51. Type-locality: Chile, Santiago, 15 km n. of Santiago [♂, CU]. Distr. — Chile (Coquimbo, Aconcagua, Santiago, Valparaíso, Curicó, Concepción, Bío-Bío, Malleco, Valdivia); Argentina (Buenos Aires). Ref. — Abercrombie, 1970 (biol., immat. stages, distr.).
- MESOPLEURALIS Malloch, 1933: 316. Type-locality: Chile, Llanquihue, Peulla [♂, EMNH]. Distr. — Chile (Llanquihue). Ref. — Zuska & Berg, 1974: figs. 5, 15, 20, 30, 34, 55 (♂ genitalia, distr.).
- PATAGONICUS (Thomson), 1869: 571 (*Tetanocera*). Type-locality: Argentina, "Patagonia" [♂, NRS]. Distr. — Chile (Santiago s. to Tierra del Fuego); Argentina (Rio Negro). Refs. — Abercrombie, 1970 (biol., immat. stages, distr.); Zuska & Berg, 1974: figs. 7, 17, 21, 29, 36, 41, 45, 56, 58, 63, 64 (♂ ♀ genitalia, color variation, distr.).

SIMPLEX Zuska, in Zuska & Berg., 1974: 347, figs. 3-4, 11-12, 25-26, 38-39, 47, 56. Type-locality: Chile, Osorno, ne. shore of Lago Llanquihue [♂, CU]. Distr. — Chile (Concepción to Chiloé). Ref. — Abercrombie, 1970 (biol., immat. stages, distr.).

Genus TEUTONIOMYIA Hennig

TEUTONIOMYIA Hennig, 1952: 609. Type-species, *plaumanni* Hennig (mon.).

COSTARICENSIS Steyskal, 1960: 43. Type-locality: Costa Rica, Farm La Caja, 8 km w. of San José [♀, USNM]. Distr. — Costa Rica (Farm La Caja).

PLAUMANNI Hennig, 1952: 611: figs. 10-15. Type-locality: Brazil, Santa Catarina, Nova Teutônia [♀, DEIB]. Distr. — Brazil (Santa Catarina).

Genus THECOMYIA Perty

THECOMYIA Perty, 1833: 189. Type-species, *longicornis* Perty (mon.).

LATERALIS (Walker), 1858: 221 (*Tetanocera*). Type-locality: "Valley of the Amazon" [♂, BMNH]. Distr. — Venezuela (Jusepin, Monagas); Guyana; Brazil (Amazonia). Ref. — Steyskal, 1966: 447 (type exam.).

LIMBATA (Wiedemann), 1819: 54 (*Tetanocera*). Type-locality: "Brazil" [♂, ZMB]. Distr. — Brazil (Rio Grande do Norte, Paraíba, D.F., Mato Grosso, Rio de Janeiro, São Paulo, Paraná, Santa Catarina). Ref. — Abercrombie & Berg (in press: biol., immat. stages, distr.).

LONGICORNIS Perty, 1833: 189, pl. 37, fig. 13. Type-locality: "Amazonum Flumen" [?, ZSBS]. Distr. — Surinam (Cottica R.); Guyana (Kartabo, Kaieteur); Brazil (Pará, Paraná). Ref. — Curran, 1934: 458 (distr.).

TRILINEATA Hendel, 1932: 98. Type-locality: Bolivia, Pozo del Tigre [♂, WNS]. Distr. — Bolivia (Pozo del Tigre); Brazil (São Paulo: Barra Mansa and Araçatuba: Córrego Azul).

Unplaced species

ANNULATA Macquart, 1843: 335 (= 178), pl. 24, fig. 3 (*Sepedon*). Type-locality: French Guiana, Cayenne [♂, n° 1887, MNHN, lost]. Ref. — Steyskal, 1951: 272.

ARMILLATA Rondani, 1868: 28 (*Sciomyza*). Type-locality: Argentina, Buenos Aires [?, ?].

CAYENNENSIS Robineau-Desvoidy, 1830: 689 (*Pherbina*). Type-locality: French Guiana, Cayenne [?, lost]. Ref. — Steyskal, 1974: 429.

EXTERNA Fabricius, 1805: 328 (*Dictya*). Type-locality: "America meridionali" [?, UZMC].

FULVESCENS Blanchard, 1852: 448 (*Sciomyza*). Type-locality: Chile, Coquimbo [?, MNHN].

- GUERINI Robineau-Desvoidy, 1830: 695 (*Dictya*). Type-locality: French Guiana, Cayenne [?, lost].
- LACERA Wiedemann, 1830: 585 (*Tetanocera*). Type-locality: Brazil, Rio de Janeiro [♀, ZMB].
- LIMBIPENNIS Macquart, 1846: 333 (= 205) (*Sciomyza*). Type-locality: Colombia !♂, n° 1915, MNHN, lost].
- MELANASPIS Wiedemann, 1830: 575 (*Sciomyza*). Type-locality: "Brazil" [?, lost?].
- NIGRIPES Blanchard, 1852: 449 (*Sciomyza*). Type-locality: Chile, Coquimbo [?, MNHN].

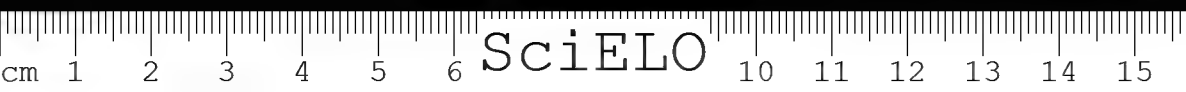
SPECIES TRANSFERRED TO OTHER FAMILIES

- atomaria* Fabricius, 1805: 329 (*Dictya*) (= unplaced species of Tephritidae; Foote, 1967).
- bicolor* Walker, 1837: 358 (*Sciomyza*) (= *Heloparia bicolor* (Walker), Pallopteridae; Malloch, 1933: 339).
- bispinosa* Fabricius, 1805: 210 (*Scatophaga*) (= *Beckeriella bispinosa* (Fabricius), Ephydriidae; Wirth, 1968).
- cancellaria* Fabricius, 1805: 329 (*Dictya*) (= *Ropalomera clavipes* (Fabricius), Ropalomeridae; Steyskal, 1967).
- cornuta* Walker, 1856: 401 (*Tetanocera*) (= *Loxozus cornutus* (Walker), Neriidae, N. comb.).
- corollae* Fabricius, 1805: 331 (*Dictya*) (= *Sapromyza corollae* (Fabricius) Lauxaniidae; Wiedemann, 1830).
- fascialis* Wiedemann, 1830: 576 (*Sciomyza*) (= unplaced species of Lauxaniidae, near *Physegenia vittata* Macquart; Hendel, 1902).
- femorata* Fabricius, 1805: 326 (*Dictya*) (= *Ropalomera femorata* (Fabricius), Ropalomeridae; Steyskal, 1967).
- geminata* Fabricius, 1805: 331 (*Dictya*) (= *Sapromyza geminata* (Fabricius), Lauxaniidae; Wiedemann, 1830).
- infusata* Wulp, 1897: 355 (*Sciomyza*) (= *Pseudogriphonerua infusata* (Wulp) Lauxaniidae).
- obscuripennis* Bigot, 1857: 826 (*Sciomyza*) (= *Physegenia obscuripennis* (Bigot), Lauxaniidae; Hendel, 1908).
- ocellata* Fabricius, 1805: 330 (*Dictya*) (= *Pterocalla ocellata* (Fabricius), Otitidae; Steyskal, 1968).
- pectoralis* Walker, 1861: 321 (*Tetanocera*) (= Otitidae, teste B. Cogan).
- picta* Wiedemann, 1830: 576 (*Sciomyza*) (unplaced species of Lauxaniidae; G. E. Shewell, in litt.).
- uncana* Fabricius, 1805: 330 (*Dictya*) (= *Oestrophasiana uncana* (Fabricius), Tachinidae; Guimarães, 1971).

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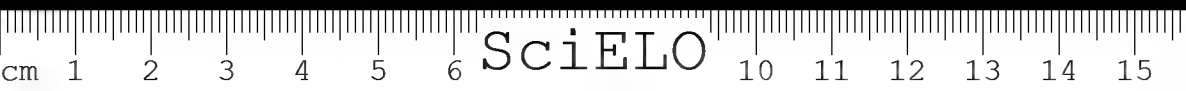
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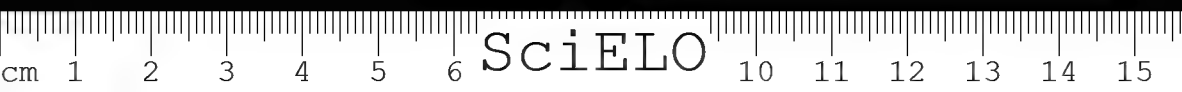
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<i>texensis</i> Curran, 1932, <i>Dictya</i>	64.6
<i>Thecomyia</i> Perty, 1833	64.13
<i>trabeculata</i> (Loew), 1872 (Sciomyza), <i>Pherbellia</i>	64.5
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<i>trinidadensis</i> (Steyskal), 1951 (Sepedon), <i>Sepedomerus</i>	64.10
<i>umbrarum</i> (Linnaeus), 1758, <i>Dictya</i>	64.7
<i>uncana</i> (Fabricius), 1805 (<i>Dictya</i>), <i>Oestrophasiana</i> (Tachinidae)	64.14
<i>vittigera</i> (Malloch), 1933 (Melina), <i>Pherbellia</i>	64.5
<i>vittithorax</i> Malloch, 1933, <i>Euthycerina</i>	64.7



MUSEU DE ZOOLOGIA, UNIVERSIDADE DE SÃO PAULO
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A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

65A

FAMILY EURYCHOROMYIIDAE

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This family is only known from the four original syntypes of *Eurychoromyia mallea* Hendel, described from Bolivia. For a long time it was considered as an "isolated group of Acalyptratae". Hennig (1958) and McAlpine (1968) described the female and male postabdomen respectively and discussed its systematic position.

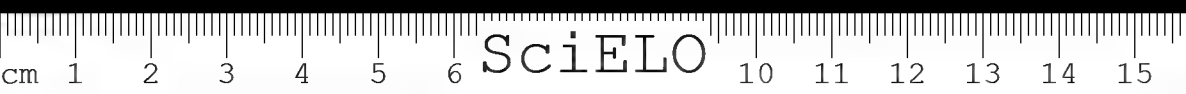
Genus EURYCHOROMYIA Hendel

EURYCHOROMYIA Hendel 1910:123. Type-species, *mallea* Hendel (mon.).
MALLEA Hendel, 1910:127, figs. 5-6 (female : head, wing, and terminalia).
Type-locality: Bolivia, Mapiri. Distr. — Bolivia, Refs. — Hennig, 1958:599, figs. 27f, 151, 156, 165 (spermathecae, head, wing, and female postabdomen); McAlpine, 1968:819, figs. 1-6 (male postabdomen; male lectotype des.).

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FAMILY PERISCCELIDIDAE

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This small family is poorly known in the Neotropical region. The only information available on the habits of this group is that *Periscelis nebulosa* Hendel was taken on a bleeding tree. The only comprehensive treatment of the family is by Sturtevant (1954). Hennig (1969) added new South American records.

Genus DIOPSOSOMA Malloch

DIOPSOSOMA Malloch, 1932:267. Type-species, *prima* Malloch (orig. des.).
PRIMA Malloch, 1932:267. Type-locality: "Peru".

Genus MARBENIA Malloch

MARBENIA Malloch, 1931:31. Type-species, *peculiaris* Malloch (orig. des.).
PECULIARIS Malloch, 1931:32, figs. 9-10. Type-locality: Panama, Portobello. Distr. — Panama.

Genus NEOSCUTOPS Malloch

NEOSCUTOPS Malloch, 1926:25. Type-species, *rotundipennis* Malloch (orig. des.).
PERUVIANUS Hennig, 1969:603, fig. 26. Type-locality: Peru, Madre de Dios, Avispas. Distr. — Peru.
ROTUNDIPENNIS Malloch, 1926:25, figs. 7-8. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.

Genus PERISCCELIS Loew

PERISCCELIS Loew, 1858:113. Type-species, *annulipes* Loew (Sturtevant, 1923:1).
NEBULOSA Hendel, 1913:389. Type-locality; Argentina, Buenos Aires. Distr. — Argentina.

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? OCCIDENTALIS Sturtevant, 1954:554. Type-locality: U.S.A., California, Cottonwood Spring, near Mecca, Riverside Co. Distr. — U.S.A. (California, Arizona, New Mexico, Washington, Texas), Mexico (Chihuahua: Camargo). Ref. — Hennig, 1969:602.

SP.1 Hennig, 1969:602. — Peru, Madre de Dios, Avispas.

SP.2 Hennig, 1969:602. — Brazil, Santa Catarina, Nova Teutônia.

Genus SCUTOPS Coquillett

SCUTOPS Coquillett, 1904:97. Type-species, *fascipennis* Coquillett (orig. des.).

PANAMENIA Curran, 1934:323. Type-species, *chapmani* Curran (orig. des.). CHAPMANI (Curran), 1934:323 (*Panamenia*). Type-locality: Panama, Canal Zone, Barro Colorado Island. Distr. — Panama. (A syn. of *fascipennis* Coquillett?).

FASCIPENNIS Coquillett, 1904:97. Type-locality: Nicaragua. Distr. — Nicaragua, Costa Rica. Ref. — Malloch, 1926:24, figs. 3, 5.

MACULIPENNIS Malloch, 1926: 241, figs. 4, 6. Type-locality: Mexico, Mexico City. Distr. — Mexico.

PERUANUS Hennig, 1952:615, figs. 21-23. Type-locality: Peru, Meshagua, Urubamba River. Distr. — Peru.

STRIATUS Hennig, 1969:604, fig. 25. Type-locality: Peru, Madre de Dios, Avispas. Distr. — Peru.

SP. Sturtevant, 1954:555. "Colombia".

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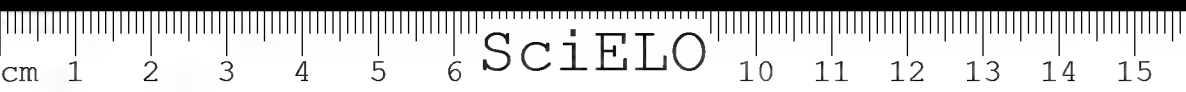
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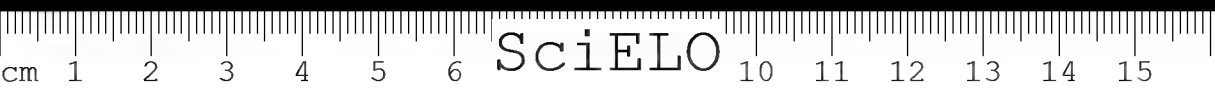
SUPERFAMILY PALLOPTEROIDEA

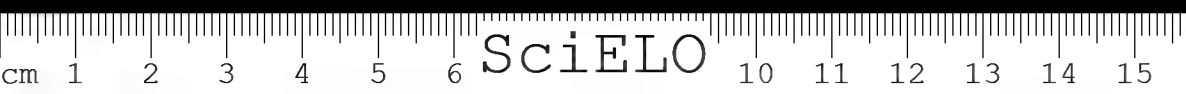
Family Piophilidae

Family Thyreophoridae

Family Pallopteridae

Family Lonchaeidae





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A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

68

FAMILY PIOPHILIDAE

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The Piophilidae are small, mostly shining blackish flies with clear, glassy wings. They breed in many kinds of animal matter; one of them, *Piophila casei* (Linnaeus), is of cosmopolitan notoriety as the "cheese skipper". The distribution of the group is nearly entirely holarctic, but several species seem to have been carried widely by human agencies. The most important work is by Hennig (1943). Malloch (1933) cited most of the South American records.

Genus PIOPHILA Fallén

PIOPHILA Fallén, 1810:20. Type-species, *Musca casei* Linnaeus (mon.).

Subgenus PIOPHILA Fallén

CASEI (Linnaeus), 1758:597 (*Musca*). Type-locality: "Europe". Distr. — cosmopolitan; Jamaica, Cuba, Juan Fernandez Islands, Mexico, Costa Rica, Venezuela, Ecuador, Brazil, Bolivia, Paraguay, Argentina, Chile. Ref. — Guimarães, 1931:16.

meridionalis Hendel, 1933:219. Type-locality: Paraguay, Santa Trinidad.
N. SYN.

Subgenus LIOPIOPHILA Duda

Piophila. subg. LIOPIOPHILA Duda, 1924:109. Type-species, *Piophila varipes* Meigen (Hennig, 1943:29).

NIGRIMANA Meigen, 1826:396. Type-locality: "Europe". Distr. — Holarctic; Argentina, Chile.

Subgenus STEARIBIA Lioy

STEARIBIA Lioy, 1864:1105 (as genus). Type-species, *Piophila foveolata* Meigen (mon.) = *nigriceps* Meigen.

NIGRICEPS Meigen, 1826:397. Type-locality: "Europe". Distr. — Holarctic region; Ecuador, Argentina, Chile, Juan Fernandez Islands.

foveolata Meigen, 1826:396. Type-locality: "Europe". Synonymy by Duda, 1924:157, as first reviser.

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FAMILY THYREOPHORIDAE

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The only representative of the family in the Neotropics is found associated with decaying animal carcasses and viscerae, and its range is limited, as far as is known, to the mountains of southeastern Brazil (Rio de Janeiro and São Paulo). The North American species *Omomyia hirsuta* Coquillett was found in dead *Yucca arborescens* (Barber, 1908).

Genus BOCAINAMYIA Albuquerque

BOCAINAMYIA Albuquerque, 1953:109. Type-species, *necrophila* Albuquerque (orig. des.).

NECROPHILA Albuquerque, 1953:110, figs. 1-5 (♂ head, scutellum, wing, pretarsus III, genitalia). Type-locality: Brazil, São Paulo, Serra da Bocaina, Fazenda Lajeado. Distr. — Brazil [Rio de Janeiro: Petrópolis, Alto da Mosela, Le Vallon; São Paulo: Serra da Bocaina, and Campos do Jordão, Eugênio Lefevre, 1200 m (specimen in Museu de Zoologia, São Paulo)]. Ref. — Albuquerque, 1957:563-566 (description of female), figs. 1-3, 5 (♀ wing, head, scutellum, spermatheca), 4 (♂ scutellum). Type, Museu Nacional, Rio de Janeiro, Guanabara.

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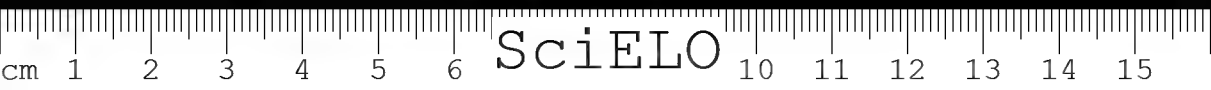
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70

FAMILY PALLOPTERIDAE

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Pallopterids are a small family of medium-sized flies related to Lonchaeoidea and Tephritoidea (*sensu* Griffiths, 1972). The Neotropical species are poorly studied.

The habits of the species listed below are unknown; records from Europe and USA indicate that the larvae are carnivorous living under the bark of dead coniferous and deciduous trees, preying on the larvae of Cerambycidae and Scolytidae (Coleoptera) or on Cecidomyiidae larvae (Morge, 1956; 1967 and Teskey, 1976).

Ref.: Hennig, 1971.

Genus AENIGMATOMYIA Malloch

AENIGMATOMYIA Malloch, 1933:344. Type-species, *unipuncta* Malloch (orig. des.).

UNIPUNCTA Malloch, 1933:344, text-fig. 66. Type-locality: Argentina, Bariloche. Distr. - Argentina (Bariloche; Lake Correntoso; Lake Nahuel Huapi); Chile (Casa Pangué; Puerto Varas); Tierra del Fuego (Rio Grande).

Genus GAYOMYIA Malloch

GAYOMYIA Malloch, 1933:346. Type-species, *nigrohalterata* Malloch (orig. des.).

NIGROHALTERATA Malloch, 1933:347. Type-locality: Argentina, Lake Correntoso. Distr. - Argentina.

Genus HELOPARIA Enderlein

HELOPARIA Enderlein, 1912:46. Type-species, *ekelofi* Enderlein (orig. des.).

Neodryomyza Hendel, 1914:151. Type-species, *lentiphora* Hendel (orig. des.).

BICOLOR (Walker), 1837:358 (*Sciomyza*). Type-locality: "Argentina". Distr. - Argentina (Bariloche; Puerto Blest; Lake Gutierrez; Lake Correntoso; Tierra del Fuego).

Ref.: Malloch, 1933:339, text-fig. 61.

rufina Bigot, 1888:37 (*Actora*). Type-locality: Cape Horn.

EKELOFI Enderlein, 1912:47. Type-locality: Falkland Islands. Distr. - Falklands Islands.

LENTIPHORA (Hendel), 1914:153, figs. 1-2 (*Neodryomyza*). Type-locality: Chile, Punta Arenas. Distr. - Chile. Ref.: Hennig, 1941:56, fig. 3, pl. 3, fig. 4.

Genus HOMAROIDES Malloch

HOMAROIDES Malloch, 1933:341. Type-species, *spiniventris* Malloch (orig. des.).

SPINIVENTRIS Malloch, 1933:341, text-figs. 63-65. Type-locality: Argentina, Lake Nahuel Huapi, Puerto Sabino. Distr. - Argentina.

Genus PSEUDOPYRGOTA Malloch

PSEUDOPYRGOTA Malloch, 1933:339. Type-species, *caudata* Malloch (orig. des.).

CAUDATA Malloch, 1933:340, text-fig. 62. Type-locality: Chile, Peulla. Distr. - Chile.



Genus SCIOCHTHIS Malloch

SCIOCHTHIS Malloch, 1933:381. Type-species, *uniseta* Malloch (orig. des.).

UNISETA Malloch, 1933:381, pl. 7, fig. 9. Type-locality: Argentina, Lake Correntoso. Distr. - Argentina.

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SUPERFAMILY MILICHIOIDEA

Family Sphaeroceridae

Family Braulidae

Family Tethinidae

Family Milichiidae

Family Canaceidae





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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

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FAMILY SPHAEROCERIDAE

(BORBORIDAE)

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The Sphaeroceridae is a family of about 300 species found in all parts of the world. Many species are cosmopolitan, probably introduced by man but perhaps also, in some cases, carried on wind currents. The early stages are little known but some description of them with an account of their biologies will be found in Goddard (1938), Hafez (1949), Hennig (1952), Hussey (1957), and Remmert (1955). The species all seem to breed in decaying animal or vegetable matter, either generally or in some specialised form, e.g., carrion, dung, compost or fungi. Among the more specialised habitats are the runs and nests of small mammals (many species, none so far neotropical), in dung of Scarabaeidae beetles (*Ceroptera*), with ants (*Homalomitra*), in seaweed (*Leptocera*, subg. *Thoracochaeta*). A number of species are wingless or brachypterous and these occur on islands (Kerguelen, Juan Fernandez) or in very wet forest (S. Chile).

There is no general revision of the family but a very important work is the paper by Duda (1925) dealing with *Leptocera*. Richards (1961b) deals with *Archiborborus* and Richards (1965a) with *Sphaerocera*. Duda in Lindner (1938) gives the general classification but this is far from having reached its final state; much more study of the male and female genitalia is required. At the present moment, it appears that at least four groups may be recognised:

- (i) *Copromyza* Fall. which hardly enters the neotropical region;
- (ii) *Archiborborus* Duda and its brachypterous or apterous derivatives, *Antrops* End., *Penola* Rich., *Frutillaria* Rich., *Siphlopteryx* End., *Anatalanta* Eaton; also perhaps *Fiebrigella* Duda; these genera are exclusively neotropical including the antarctic;
- (iii) *Sphaerocera* Latr. world-wide but with one exception only the exclusively American subgenus *Parasphaerocera* Spuler occurs in the region; also the derived *Homalomitra* Borgmeier;

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(iv) the cosmopolitan *Ceroptera* Meig. and *Leptocera* Oliv. and the neotropical *Anomioptera* Schiner, *Archileptocera* Duda and probably also *Phthitia* End. and *Aptilotella* Duda.

Genus COPROMYZA Fallén

COPROMYZA Fallén, 1810:19. Type-species, *equina* Fallén (Zetterstedt, 1847:2745).

Borborus, authors, not Meigen.

Subgenus BORBORILLUS Duda

Borborus, subg. BORBORILLUS Duda, 1923:54. Type-species, *uncinatus* Duda (Richards, 1930:267).

LACTEIPENNIS (Malloch), 1913b:366 (*Borborus*). Type-locality: Mexico, Tamaulipas, Tampico. Distr. — Mexico (Tamaulipas).

Genus FIEBRIGELLA Duda

FIEBRIGELLA Duda, 1921:125, 143. Type-species, *verrucosa* Duda (mon.).

VERRUCOSA Duda, 1921:143. Type-locality: Paraguay, San Bernardino. Distr. Paraguay (San Bernardino).

Genus ARCHIBORBORUS Duda

ARCHIBORBORUS Duda, 1921:126. Type-species, *Borborus hirtipes* Macquart (Richards, 1930:267).

Subgenus ARCHIBORBORUS Duda

HIRTIPES (Macquart), 1843:424 (= 267), pl. 35, fig. 5 (*Borborus*). Type-locality: "Chile". Distr. — Uruguay (Montevideo), Argentina (Buenos Aires), Falkland Is., Chile (Arauco, Magallanes, Chiloe I.). Refs. — Gay, 1852:467; Duda, 1921:127, 1923b:111; Richards, 1931:65, pl. 1, fig. 1, 1941:323, 1961b:59, 1963:231.

quinquemaculatus Walker, 1849:1130 (*Borborus*). Type-locality: Uruguay, Montevideo.

MAXIMUS Richards, 1961b:59, fig. 1. Type-locality: Chile, Magallanes, Hda. Muñoz Garnero, lat. 55°S, (on seaweed). Distr. — Chile (Magallanes).

Subgenus PROCOPROMYZA Richards

Archiborborus, subg. PROCOPROMYZA Richards, 1931:67. Type-species, *albicans* Richards (orig. des.).

ALBICANS Richards, 1931:68, figs. 20a-b, pl. 1, fig. 3. Type-locality: Chile, Chiloe I., Ancud. Distr. — Argentina (Falkland Is.), Chile (Magallanes, Chiloe I., Mechuque I., Cape Horn).

varipes Bigot, 1888:42 (*Borborus*; preocc. Meigen, 1830). Type-locality: "Cape Horn". Refs. — Richards, 1941:324, 1961b:62.

- ANNULATUS Richards, 1963:232, fig. 1. Type-locality: Chile, Ñuble, 40 km east of San Carlos. Distr. — Chile (Ñuble).
- CALCEATUS Duda, 1921:127, 138. Type-locality: Colombia, Sierra San Lorenzo. Distr. — Colombia (Sierra San Lorenzo).
- CHAETOSUS Richards, 1961b:60, fig. 2. Type-locality: Chile, Chiloe I., lat. 42°S, Chepu. Distr. — Chile (Chiloe I.).
- CHILENSIS Richards, 1931:71, pl. 1, fig. 5. Type-locality: Argentina, Neuquén, L. Correntoso. Distr. — Argentina (Neuquén, Rio Negro), Chile (Llanquihue, Bio-Bío). Ref. — Richards, 1963:231.
- EDWARDSI Richards, 1931:71. Type-locality: Chile, Llanquihue, Puerto Montt. Distr. — Chile (Llanquihue, Cautín, Osorno). Ref. — Richards, 1963:231.
- FEMORALIS (Blanchard), in Gay, 1852:467 (*Borborus*). Type-locality: Chile, La Serena. Unrecognized.
- HIRTUS (Bigot), 1888:41 (*Ceroptera*). Type-locality: "Cape Horn". Distr. — Chile (Magallanes, Pto. Eden, Cape Horn). Refs. — Richards, 1931:72, 1961b:61.
- KOENIGI Duda in Holdhaus, 1932:172. Type-locality: South Georgia Is. Distr. — South Georgia Is. Ref. — Richards, 1961b:58.
- MACULIPENNIS Duda, 1921:127, 133. Type-locality: Chile, Magallanes, Punta Arenas. Distr. — Chile (Magallanes). Refs. — Richards, 1931:73, 1961b:61.
- ORBITALIS Duda, 1921:127, 141. Type-locality: Peru, Puno; Bolivia, L. Titicaca, Cordillera, 4000-5000 m. Distr. — Peru (Cuzco, Puno), Bolivia (L. Titicaca, Cordillera). Ref. — Richards, 1961b:58.
- var. *latifrons* Duda, 1921:127, 143. Type-locality: Peru, Cuzco. Ref. — Richards, 1961b:58.
- QUADRINOTUS (Bigot), 1888:42 (*Ceroptera*). Type-locality: Chile, Magallanes, Cape Horn. Distr. — Chile (Magallanes, Cape Horn). Refs. — Richards, 1931:70, 1961b:61.
- SETOSUS Duda, 1921:127, 135. Type-locality: Bolivia, Cilluncitara. Distr. — Bolivia (Cilluncitara).
- SIMPLICIMANUS Richards, 1931:72. Type-locality: Argentina, Neuquén, L. Correntoso. Distr. — Argentina (Neuquén), Chile (Ñuble, Magallanes, Chiloe I.).
- SUBMACULATUS Duda, 1921:130 (as *submaculata*, p. 126). Type-locality: Chile, Magallanes, Punta Arenas. Distr. — Chile (Llanquihue, Chiloe I., Arauco, Magallanes), Juan Fernandez Is. (Masatierra I.). Refs. — Richards, 1931:70, pl. 1, fig. 4, 1955:75, 1961b:62, 1963:231.

Subgenus HUAPIA Richards

- Archiborborus*, subg. HUAPIA Richards, 1931:65. Type-species, *microphthalmalma* Richards (orig. des.).
- MICROPTHALMA Richards, 1931:65, fig. 19, pl. 1, fig. 2. Type-locality: Argentina, Neuquén and Rio Negro, L. Nahuel Huapi (eastern end). Distr. — Argentina (Rio Negro, Neuquén).

Unplaced species of ARCHIBORBORUS

- NITIDICOLLIS (Becker), 1919:184 (*Olinia*). Type-locality: Ecuador, Tulcán, El Angel.

Genus PYCNOTA Bezzi

PYCNOTA Bezzi, 1927:2. Type-species, *manni* Bezzi (orig. des.).

MANNI Bezzi, 1927:5, figs. 1-2. Type-locality: Bolivia, Beni, Huacha. Distr. — Bolivia (Beni).

Genus ANTROPS Enderlein

ANTROPS Enderlein, 1909a:225. Type-species, *truncipennis* Enderlein (mon.).

TRUNCIPENNIS Enderlein, 1909a:228, 1 fig. Type-locality: Chile, Magallanes, Tierra del Fuego; South Georgia Is. Distr. — Falkland Is., South Georgia Is., Chile (Magallanes, Cape Horn). Refs. — Schaeffer, 1914:92; Richards, 1931:73; Séguy, 1940:244, fig. 87.

nivalis Bigot, 1888:43, pl. 4, fig. 7 (*Pteremis*; misidentification of *Limosina nivalis* Haliday). Type-locality: Chile, Magallanes, Cape Horn. Refs. — Gercke, 1889:153, 154, fig.; Enderlein, 1909b:394, 499.

Genus FRUTILLARIA Richards

FRUTILLARIA Richards, 1961b:63. Type-species, *kuscheli* Richards (orig. des.).

Ref. — Richards, 1964a (key to spp.).

CALCEATA Richards, 1961b:67, figs. 10, 11. Type-locality: Chile, Llanquihue, lat. 41°12'S, Frutillar. Distr. — Chile (Llanquihue).

CHEPUENSIS Richards, 1961b:66, figs. 6, 7. Type-locality: Chile, Chiloe I., lat. 42°S, Chepu. Distr. — Chile (Chiloe I.).

EDENENSIS Richards, 1961b:67, figs. 8, 9. Type-locality: Chile, Chiloe I., lat. 42°S, San Pedro. Distr. — Chile (Chiloe I., Magallanes).

KUSCHELI Richards, 1961b:66, figs. 4, 5. Type-locality: Chile, Chiloe I., lat. 42°S, Chepu. Distr. — Chile (Chiloe I.).

PROPINQUA Richards, 1964a:44, figs. 3, 4. Type-locality: Chile, Aysén, L. de Buenos Aires. Distr. — Chile (Aysén).

STENOPTERA Richards, 1961b:67, figs. 12, 13. Type-locality: Chile, Llanquihue, lat. 41°12'S, Frutillar. Distr. — Chile (Llanquihue).

TENUFORCEPS Richards, 1964a:44, figs. 5, 6. Type-locality: Chile, Aconcagua, Zapallar. Distr. — Chile (Aconcagua).

TRIANGULARIS Richards, 1964a:44, figs. 1, 2. Type-locality: Chile, Concepción, Oca de Bio-Bío. Distr. — Chile (Concepción).

Genus PENOLA Richards

PENOLA Richards, 1941:324. Type-species, *eudyptidis* Richards (orig. des.).

Ref. — Richards, 1951:844.

EUDYPTIDIS Richards, 1941:324, fig. 1. Type-locality: Falkland Is. Distr. — Falkland Is.

Genus SPHAEROCERA Latreille

SPHAEROCERA Latreille, 1804:197. Type-species, *curvipes* Latreille (sub. mon., Latreille, 1805:394).

Subgenus SPHAEROCERA Latreille

FLAVICEPS Malloch, 1925:120. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica (San Mateo).

Subgenus PARASPHAEROCERA Spuler

Sphaerocera, subg. PARASPHAEROCERA Spuler, 1924c:67. Type-species, *bimaculata* Williston (orig. des.).

Ref. — Richards, 1965a (key to spp.).

AMPHORA Richards, 1965a:232, fig. 19. Type-locality: Ecuador, Chimborazo, Linje. Distr. — Ecuador (Chimborazo).

BIMACULATA Williston, 1896:435. Type-locality: West Indies, St. Vincent. Distr. — U.S.A. (Florida), Mexico, Costa Rica, B.W.I. (St. Vincent, Grenada). Refs. — Spuler, 1924c:68 (part); Malloch, 1925:121 (part); Richards, 1965a:230, fig. 15.

CHIMBORAZO Richards, 1965a:229, figs. 13-14. Type-locality: Ecuador, Chimborazo, Bugna. Distr. — Ecuador (Chimborazo).

DISSECTA Richards, 1965a:235. Type-locality: "Panama". Distr. — Panama.

ECUADORIA Richards, 1965a:225, figs. 2-7. Type-locality: Ecuador, Los Rios, Pichilingue, 40 m. Distr. — Ecuador (Los Rios, Guayas).

FLAVICOXA Malloch, 1925:120. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica (San Mateo), Brazil (Rio de Janeiro).

GUTTULA Richards, 1965a:236, fig. 28. Type-locality: Panama, Canal Zone, Erwin I. Distr. — Panama (Canal Zone).

LEPIDA Richards, 1965a:234, figs. 24-25. Type-locality: Panama, Canal Zone, Fort Kobbe, Camarón. Distr. — Panama (Canal Zone).

LEVICASTILLI Richards, 1965a:230, figs. 16-17 (as *levi-castilli*). Type-locality: Ecuador, Chimborazo, Naranjapata, Chilicay. Distr. — Ecuador (Chimborazo).

MUSIPHILA Richards, 1965a:233, fig. 21. Type-locality: "Panama". Distr. — Panama.

PALLIPES Malloch, 1914b:31. Type-locality: Panama, Buena Ventura. Distr. — Panama (Buena Ventura). Ref. — Richards, 1965a:236.

SHANNONI Richards, 1965a:232, fig. 18. Type-locality: Venezuela, San Esteban. Distr. — Panama (Canal Zone), Venezuela (San Esteban).

TERTIA Richards, 1965a:228, figs. 11-12. Type-locality: Ecuador, Los Rios, Pichilingue. Distr. — Panama (Canal Zone), Costa Rica (San Mateo), Ecuador (Los Rios), Mexico (Vera Cruz).

TRANSVERSA Richards, 1965a:234. Type-locality: "Panama". Distr. — Panama.

TRANSVERSALIS Richards, 1965a:234, figs. 22-23. Type-locality: Ecuador, Guayas, Cuatro Hermanitos Experimental Farm. Distr. — Ecuador (Guayas).

- TRAPEZINA Richards, 1965a:226, figs. 8-10. Type-locality: Ecuador, Los Rios, Pichilingue. Distr. — Ecuador (Los Rios, Guayas).
- VARIPIES Malloch, 1925:121. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — U.S.A. (California, Georgia), Panama, Costa Rica, Galápagos Is. (Chatham I.). Ref. — Richards, 1965a:235, figs. 26-27.
- galapagensis* Curran, 1934:158. Type-locality: Galápagos Is., Chatham I.
- XIPHOSTERNUM Richards, 1965a:232, fig. 20. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica (San Mateo), Panama (Darien; Canal Zone).

Genus HOMALOMITRA Borgmeier

- HOMALOMITRA Borgmeier, 1931:30. Type-species, *ecitonis* Borgmeier (orig. des.).
- ECITONIS Borgmeier, 1931:30-37, 1 pl., 1 fig. Type-locality: Brazil, Goiás, Campinas (with *Eciton praedator* Smith). Distr. — Brazil (Goiás).

Genus ANOMIOPTERA Schiner

- ANOMIOPTERA Schiner, 1868:230. Type-species, *picta* Schiner (orig. des.).
- PICTA Schiner, 1868:230, pl. 3, figs. 2a-b. Type-locality: "Colombia" (but "Venezuela" on the label). Distr. — Venezuela (?). Ref. — Richards, 1966 (redescription).

Genus ARCHILEPTOCERA Duda

- ARCHILEPTOCERA Duda, 1920:436. Type-species, *luteonigripes* Duda (Richards, 1930:266).
- Archileptocera*, subg. *Lamprosomella* Duda, 1920:437. Type-species, *luteonigripes* (mon.).

Subgenus ARCHILEPTOCERA Duda

- LUTEONIGRIPES Duda, 1920:437, 441, fig. B. Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco).

Subgenus PALAEOCEROPTERA Duda

- Archileptocera*, subg. PALAEOCEROPTERA Duda, 1929:39. Type-species, *boliviensis* Duda (mon.).
- BOLIVIENSIS Duda, 1929:39, fig. 4. Type-locality: Bolivia, Santa Cruz, San José de Chiquitos. Distr. — Bolivia (Santa Cruz).

Subgenus HELLERELLA Duda

- Archileptocera*, subg. HELLERELLA Duda, 1920:436. Type-species, *decipiens* Duda (mon.).
- DECIPIENS Duda, 1920:437. Type-locality: Chile, Magallanes, Punta Arenas. Distr. — Chile (Magallanes).

Subgenus PALAEOCOPRINA Duda

Archileptocera, subg. PALAEOCOPRINA Duda, 1920:436. Type-species, *geminiseta* Duda (mon.).

GEMINISETA Duda, 1920:436, 439, fig. A. Type-locality: Peru, Cuzco. Distr. — Peru (Cuzco).

Subgenus PALAOLIMOSINA Duda

Archileptocera, subg. PALAOLIMOSINA Duda, 1920:437. Type-species, *nigrina* Duda (mon.).

NIGRINA Duda, 1920:437, 444, fig. C. Type-locality: Bolivia, Cordillera, 4000-5000 m.

Genus PHTHITIA Enderlein

PHTHITIA Enderlein, 1938:600. Type-species, *venosa* Enderlein (orig. des.).
Pterodrepana Enderlein, 1938:651. Type-species, *selkirki* Enderlein (orig. des.).

ALEXANDRI Richards, 1955:85, figs. 8, 10. Type-locality: Juan Fernandez Is., Masatierra I. Distr. — Juan Fernandez Is. (Masatierra I.).

SELKIRKI (Enderlein), 1938:652, figs. 10-13 (*Pterodrepana*). Type-locality: Juan Fernandez Is., Masatierra I. Distr. — Juan Fernandez Is. (Masatierra I.). Ref. — Richards, 1955:83, figs. 7-9.

VENOSA Enderlein, 1938:657, figs. 7-9. Type-locality: Juan Fernandez Is., Masatierra I. Distr. — Juan Fernandez Is. (Masatierra I.). Ref. — Richards, 1955:82, fig. 6.

Genus APTILOTELLA Duda

APTILOTELLA Duda, 1924:74. Type-species, *borgmeieri* Duda (mon.).

BORGMEIERI Duda, 1924:74-76, fig. Type-locality: Brazil, Rio de Janeiro, ?Petrópolis. Distr. — Brazil (Rio de Janeiro).

Genus CEROPTERA Macquart

CEROPTERA Macquart, 1835:564. Type-species, *Borborus rufitarsis* Meigen (mon.).

BREVIFRONS (Duda), 1925:138, fig. 119 (*Leptocera*). Type-locality: Paraguay, Boquerón, Chaco. Distr. — Paraguay (Boquerón). Ref. — Vanschuytbroeck, 1945:12.

VENEZOLANA Richards, 1963:232 (as *venozolana*). Type-locality: Venezuela, Estado Portuguesa, Guanace. Distr. — Venezuela (Portuguesa).

Genus LEPTOCERA Olivier

LEPTOCERA Olivier, 1813:489. Type-species, *nigra* Olivier (mon.).

Limosina, subg. *Paracollinella* Duda, 1924a:116. Type-species, *Copromyza fontinalis* Fallén (Richards, 1930:267).

Skottsbergia Enderlein, 1938:650. Type-species, *cultellipennis* Enderlein (orig. des.).



Subgenus LEPTOCERA Olivier

- ABDOMINISETA (Duda), 1925:52 (*Paracollinella*). Type-locality: Paraguay; Brazil, Santa Catarina, Blumenau; Chile, Tacna and Arica; Peru, Mollendo; Bolivia, Sorata, 2300 m. Distr. — Bolivia, Brazil, Paraguay, Chile, Argentina, Peru, Tristan da Cunha I.; Hawaii. Refs. — Duda, 1929:34; Richards, 1931:82, 1952:430; Frey, 1954:34.
- AEQUILIMBATA Duda, 1925:58. Type-locality: Bolivia; Peru. Distr. — Bolivia, Peru. (Perhaps a form of *L. (L.) caenosa* Rondani, *q. v.*).
- CAENOSA (Rondani), 1880:38 (*Limosina*). Type-locality: "Italy". Distr. — Europe, Azores, Belgian Congo, Canada; South America; New Zealand, South Shetlands. Refs. — Duda, 1938:85, pl. 2, fig. 13 (*L. (L.) aequilimbata* Duda is perhaps a synonym); Richards, 1941:323.
- CUTTELLIPENNIS (Enderlein), 1938:650, figs. 2-6 (*Skottsbergia*). Type-locality: Juan Fernandez Is., Masatierra I. Distr. — Juan Fernandez Is. (Masatierra I.). Ref. — Richards, 1955:78, fig. 4.
- CURVINERVIS (Stenhammar), 1854:406 (*Limosina*). Type-locality: Sweden, Öland. Distr. — Europe, Kerguelen Is., cosmopolitan. Ref. — Séguy, 1954:610.
- DISCALIS (Malloch), 1912:8 (*Limosina*; nom. nov. for *scutellaris* Williston). Type-locality: B.W.I., St. Vincent. Distr. — B.W.I. (St. Vincent, Grenada), Costa Rica, Puerto Rico, Galápagos Is. (Charles I.). Refs. — Spuler, 1924a:116; Curran, 1928:69, 1934:158.
- scutellaris* Williston, 1896:432 (*Limosina*; preocc. Haliday, 1836). Type-locality: B.W.I., St. Vincent.
- DOLOROSA (Williston), 1896:432 (*Limosina*). Type-locality: B.W.I., St. Vincent. Distr. — B.W.I. (St. Vincent). Refs. — Spuler, 1924a:115; Richards, 1961b:563.
- DUPLICATA Richards, 1955:75, fig. 1. Type-locality: Juan Fernandez Is., Masatierra I., Plazoleta del Yunque, 200 m. Distr. — Juan Fernandez Is. (Masatierra I.).
- ELLIPSIPENNIS Richards, 1955:76, figs. 2-3. Type-locality: Juan Fernandez Is., Masatierra I., Plazoleta del Yunque, 200 m. Distr. — Juan Fernandez Is. (Masatierra I.).
- ERYTHROCERA (Becker), 1919:183 (*Limosina*). Type-locality: ?Ecuador, Casitagua. Distr. — Ecuador (Casitagua). (Subgenus doubtful).
- FONTINALIS (Fallén), 1826:16 (*Copromyza*). Type-locality: "Sweden". Distr. — Europe, Mediterranean, Belgian Congo, North and South America (Bermuda, Costa Rica). Refs. — Johnson, 1913:449; Malloch, 1914a:21; Duda, 1938:87, fig. 10.
- FULVA (Malloch), 1912:4 (*Limosina*). Type-locality: Panama, Canal Zone, Tabernilla. Distr. — Costa Rica, Panama, Colombia, Peru, Brazil, Ecuador, Paraguay. Refs. — Malloch, 1914a:15; Spuler, 1924a:116; Duda, 1925:53; Richards, 1963:234.
- FUSCINERVIS (Malloch), 1912:6 (*Limosina*). Type-locality: Panama, Canal Zone, Tabernilla. Distr. — Costa Rica, Panama. Refs. — Malloch, 1914a:22; Duda, 1925:36 (footnote). (See also *L. (Rachispoda) ruficornis* Duda).
- fusinervis* Spuler, 1924a:111 (*lapsus*).
- MENDOZANA Richards, 1931:82. Type-locality: Argentina, Mendoza. Distr. — Argentina (Mendoza).

- NEOCURVINERVIS Richards, 1931:74, pl. 1, fig. 6. Type-locality: Chile, Chiloe I., Ancud. Distr. — Chile (Chiloe I., Llanquihue, Osorno, Santiago, Arauco, Talca, Ñuble, Magallanes), Argentina (Rio Negro). Refs. — Richards, 1961b:63, 1963:234.
- SCHLINGERI Richards, 1963:235, figs. 2, 3a-b. Type-locality: Ecuador, Napo-Pastaza, 6-8 miles west of Mera, 1500 m. Distr. — Ecuador (Napo-Pastaza).

Subgenus RACHISPODA Lioy

- RACHISPODA Lioy, 1864:1116 (as genus). Type-species, *Copromyza limosa* Fallén (mon.).
- Limosina*, subg. *Collinella* Duda, 1918:13, 27, 28 (as *Colinella*; preocc. Schmidt, 1879). Type-species, *Copromyza limosa* Fallén (Richards, 1930:266).
- Leptocera*, subg. *Collinellula* Strand, 1928:49 (nom. nov. for *Collinella* Duda). Type-species, *Copromyza limosa* Fallén (aut.).
- AEQUIPILOSA (Duda), 1925:34 (*Collinella*). Type-locality: Paraguay, Asunción; Brazil, Rio Grande do Sul; Chile, Talcahuano. Distr. — Colombia (Valle), Peru (Pucalba), Bolivia, Chile, Brazil, Paraguay. Refs. — Duda, 1929:34; Richards, 1963:236.
- ATRA (Adams), 1903:223 (*Limosina*). Type-locality: U.S.A., Kansas. Distr. — U.S.A., Mexico (D.F.). Ref. — Sabrosky, 1949:9, fig. 11.
- AUSTRALIS (Brèthes), 1920:44 (*Limosina*). Type-locality: Chile, Rio Blanco. (Subgenus doubtful).
- BIPILOSA Duda, 1925:43. Type-locality: Bolivia, La Paz, Mapiri, Lorenzopata. Distr. — Colombia (Cundinamarca, Meta, Nariño, Valle), Bolivia (La Paz). Ref. — Richards, 1963:236.
- BREVISETA Malloch, 1914a:23. Type-locality: Costa Rica, Cartago. Distr. — Costa Rica (Cartago).
brevista Spuler, 1924a:113 (*lapsus*).
- DECIMSETOSA Richards, 1931:83. Type-locality: Uruguay, Montevideo. Distr. — Uruguay (Montevideo).
- DIVERGENS (Duda), 1925:44 (*Collinella*). Type-locality: Peru, Juliaca, Arequipa, Sicuani, Cuzco (3300-3400 m), Tarnia (3000 m); Bolivia, Guaqui, L. Titicaca; Chile, Punta Arenas, Palca; Argentina, San Julián. Distr. — Peru, Chile, Juan Fernandez Is., Argentina, Bolivia. Refs. — Richards, 1931:77, 1955:79.
divergeus Duda, 1929:34 (*lapsus*).
- ENSENADA Richards, 1931:76, pl. 1, fig. 7. Type-locality: Argentina, Buenos Aires, Ensenada. Distr. — Uruguay (Montevideo), Argentina (Rio Negro, Neuquén), Chile (Chiloe I., Santiago).
- LIMBINERVIS (Duda), 1925:33 (*Collinella*). Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Mexico (Nuevo León, Colima, San Luis Potosí), Costa Rica (La Suiza de Turrialba). Ref. — Richards, 1963:236.
- MACULINEA Richards, 1965b:121 (nom. nov. for *maculipennis* Duda). Type-locality: Paraguay, San Bernardino. Distr. — Paraguay (San Bernardino).
maculipennis Duda, 1925:39, fig. 3 (*Collinella*; preocc. Spuler, 1925). Type-locality: Paraguay, San Bernardino.

- MARGINALIS Malloch, 1914a:22. Type-locality: Costa Rica, Cartago. Distr. — Costa Rica. Ref. — Spuler, 1924a:112.
- M-NIGRUM (Malloch), 1912:7 (*Limosina*). Type-locality: Panama, Canal Zone, Paraiso and Tabernilla. Distr. — Jamaica, Costa Rica, Panama (Canal Zone). Refs. — Malloch, 1914a:23; Spuler, 1924a:114; Duda, 1925:36.
- MULTISETOSA (Duda), 1925:48 (*Collinella*). Type-locality: Paraguay, Boquerón, Chaco. Distr. — Paraguay, Argentina (Buenos Aires). Ref. — Richards, 1931:83.
- PARAGUAYENSIS (Duda), 1925:29, fig. 1 (*Collinella*). Type-locality: Paraguay, Boquerón, Chaco. Distr. — Paraguay (Boquerón).
- PLURISETA (Duda), 1925:45 (*Collinella*). Type-locality: Chile, Magallanes, Punta Arenas; Bolivia, La Paz, Guaqui, L. Titicaca. Distr. — Bolivia (La Paz), Chile (Magallanes, Rio Negro). Ref. — Richards, 1931:77.
- ROSSI Richards, 1963:237, figs. 4-5. Type-locality: Chile, Cautín, 20 miles east of Temuco. Distr. — Chile (Cautín, Arauco).
- RUFICORNIS (Duda), 1925:41 (*Collinella*). Type-locality: "Tambillo" (perhaps Ecuador, Pichincha). Distr. — Panama.
?fuscinervis of Malloch, 1912:6.
fusinervis Spuler, 1924a:111 (*lapsus*).
- SCHILD Spuler, 1924b:111, fig. 9. Type-locality: "Costa Rica". Distr. — Costa Rica.
- SPULERI Sabrosky, 1949:8. Type-locality: U.S.A., Louisiana. Distr. — U.S.A. (California to Michigan, south to Louisiana and Maryland), Mexico (Vera Cruz).
trochanteratus Spuler, 1924a:112, fig. 13 (misident.; *nec* Malloch, 1913b).
- STRIATA (Duda), 1925:52 (*Collinella*). Type-locality: Chile, Santiago, Los Andes, 800 m. Distr. — Chile (Santiago, Chiloe I., Llanquihue, Coquimbo, Aconcagua, Ñuble, Bio-Bio), Argentina (Neuquén, Rio Negro). Refs. — Richards, 1931:75, pl. 1, figs. 8-10, 1963:236.
- TRIGONATA Spuler, 1924a:109, fig. 4. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

Subgenus ARCHICOLLINELLA Duda

- Leptocera*, subg. ARCHICOLLINELLA Duda, 1925:64. Type-species, *caerulea* Duda (Richards, 1930:269).
- CAERULEA Duda, 1925:65, fig. 4. Type-locality: Chile, Antofagasta. Distr. — Chile (Antofagasta).

Subgenus OPACIFRONS Duda

- Limosina*, subg. OPACIFRONS Duda, 1918:28. Type-species, *cozata* Stenhammar (Spuler, 1924b:121).
- CARTAGENSIS Malloch, 1914a:17. Type-locality: Costa Rica, Cartago. Distr. — Costa Rica. Refs. — Spuler, 1924b:126; Duda, 1925:197.
- IMPUDICA Duda, 1925:70. Type-locality: Peru, Cuzco, 3200-4200 m. Distr. — Peru (Cuzco).

Subgenus THORACochaeta Duda

- Limosina*, subg. THORACochaeta Duda, 1918:32. Type-species, *Borborus zosterae* Haliday (Spuler, 1925b:120).
- ANCUDENSIS Richards, 1931:78, pl. 1, fig. 11. Type-locality: Chile, Chiloe I., Ancud. Distr. — Chile (Chiloe I.).
- ARNAUDI Richards, 1963:239, fig. 6. Type-locality: Mexico, Baja California, San Bartolomé. Distr. — Mexico (Baja California).
- BRACHYSTOMA (Stenhammar), 1854:393 (1855:135) (*Limosina*). Type-locality: "Sweden". Distr. — Europe, Egypt, Azores, Canaries, Tristan da Cunha, Seychelles, Congo (Léopoldville), New Zealand; Peru (Lima), Argentina (Chubut), Chile (Chiloe I.), Juan Fernandez Is. (Masatierra and Masafuera). Refs. — Duda, 1925:198; Richards, 1931:78, 1955:79.
- JOHNSONI Spuler, 1925b:121, fig. 2. Type-locality: U.S.A., Washington (on seaweed). Distr. — U.S.A. (Washington), Mexico (Baja California), Chile (Santiago, Chiloe I., Magallanes). Refs. — Richards, 1931:78, 1961b:63, 1963:238.

Subgenus CHAETOPODELLA Duda

- Leptocera*, subg. CHAETOPODELLA Duda, 1920:435. Type-species, *Limosina scutellaris* Haliday (mon.).
- Gyretria* Enderlein, 1938:652. Type-species, *binodatipes* Enderlein (orig. des.) = *melanogaster* (Thomson).
- Alma* Duda, 1938:5, 95 (preocc. Grube, 1855). Type-species, *Leptocera (Chaetopodella) biseta* Duda (mon.).
- BISETA Duda, 1925:149, figs. 21, 22. Type-locality: Paraguay, La Cordillera, San Bernardino, Asunción; Bolivia, La Paz, Mapi. Distr. — Bolivia (La Paz), Paraguay (La Cordillera, Asunción), Argentina (Salta). Ref. — Duda, 1929:34.
- MELANOGASTER (Thomson), 1869:603 (*Limosina*). Type-locality: Argentina, Buenos Aires. Distr. — Paraguay, Uruguay, (Montevideo), Argentina (Salta, Buenos Aires, Rio Negro), Chile (Santiago, Coquimbo, Arauco), Juan Fernandez Is. Ref. — Richards, 1963:238.
- pulchripes* Duda, 1925:151, fig. 23. Type-locality: "Paraguay". Refs. — Duda, 1929:34; Richards, 1955:80, fig. 5.
- var. *griseithorax* Richards, 1931:79. Type-locality: Argentina, Buenos Aires.
- binodatipes* Enderlein, 1938:655, figs. 14-16 (*Gyretria*). Type-locality: Juan Fernandez Is., Masatierra I.
- RECTANGULARIS Malloch, 1914a:19. Type-locality: Costa Rica, Juan Viñas, 3300 feet. Distr. — Costa Rica. Refs. — Spuler, 1925a:151 (probably); Duda, 1925:147.
- TONSA Duda, 1925:148 (nom. nov. for *regularis* Duda). Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica.
- regularis* Duda, 1925:147 (preocc. Malloch, 1914a). (See subgenus *Limosina*).

Subgenus ACUMINISETA Duda

- Acuminiseta* Duda, 1920:435. *Nomen nudum*.
- Leptocera*, subg. ACUMINISETA Duda, 1925:76, 119. Type-species, *Limosina pallidicornis* Villeneuve (Richards, 1930:268).

PROMINENS Duda, 1925:124, fig. 16. Type-locality: Paraguay, La Cordillera, San Bernardino. Distr. — Paraguay (La Cordillera).

Subgenus POECILOSOMELLA Duda

Poecilosomella Duda, 1920:435. *Nomen nudum*.

Leptocera, subg. POECILOSOMELLA Duda, 1925:78. Type-species, *Copromyza punctipennis* Wiedemann (Richards, 1930:268).

ANGULATA (Thomson), 1869:602 (*Limosina*). Type-locality: "Brazil". Distr. — Africa, Madagascar, Teneriffe, Cape Verde Is., Bermuda, Mexico, W.I. (St. Vincent), Cuba, Haiti, Puerto Rico, San Domingo, Dominican Republic, Colombia, Peru, Brazil, Paraguay; Hawaii. Refs. — Duda, 1925:93, fig. 11; Curran, 1928:69; Richards, 1961a:53-63.

venalicia Osten Sacken, 1878:263 (*Borborus*). Type-locality: "Cuba". Refs. — Williston, 1896:434, fig. 163; Malloch, 1914a:11.

Subgenus PTEROGRAMMA Spuler

Leptocera, subg. PTEROGRAMMA Spuler, 1923:376. Type-species, *Leptocera sublugubrina* Malloch (part; misident.) (orig. des.) = *substituta* Richards.

Mallochella Duda, 1925:75, 103. Type-species, *Limosina sublugubrina* Malloch (Richards, 1930:268).

COSTALIS (Becker), 1919:182, pl. 15, fig. 7 (*Limosina*). Type-locality: Ecuador, Azuay, Cuenca. (Subgenus doubtful).

INCONSPICUA Malloch, 1914a:16. Type-locality: Costa Rica, Cartago. Distr. — Costa Rica, Brazil (Santa Catarina). Refs. — Duda, 1925:116; Spuler, 1925a:82(?).

LUXOR Spuler, 1925b:101, fig. 9. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

MADARIS Spuler, 1925b:102, fig. 8. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

MERIDIONALIS Malloch, 1914a:16. Type-locality: Costa Rica, Alhajuela. Distr. — Costa Rica. Refs. — Spuler, 1925b:102; Duda, 1925:107.

MONTICOLA Malloch, 1914a:14, fig. 10. Type-locality: Costa Rica, Juan Viñas. — Distr. — Costa Rica. Refs. — Spuler, 1925b:101; Duda, 1925:114.

ORTHONEURA Spuler, 1925b:102. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica.

OVIENNIS (Duda), 1925:115, fig. 15 (*Mallochella*). Type-locality: Paraguay, La Cordillera, San Bernardino; Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica, Paraguay.

PARAMERIDIONALIS (Duda), 1925:108 (*Mallochella*). Type-locality: Brazil, Santa Catarina. Distr. — Brazil (Santa Catarina).

PERPARVA (Williston), 1896:433, figs. 161, 161a (*Limosina*). Type-locality: W.I., St. Vincent. Distr. — W.I. (St. Vincent). Refs. — Duda, 1925:119; Richards, 1961a:563.

perparvi Spuler, 1925a:83 (*lapsus*).

POECILOPTERA Malloch, 1914a:11, fig. 8. Type-locality: Costa Rica, Juan Viñas. Distr. — Costa Rica. Refs. — Spuler, 1925b:101; Duda, 1925:108.

SIMPLICICRUS (Duda), 1925:112 (*Mallochella*). Type-locality: Paraguay, La Cordillera, San Bernardino. Distr. — Paraguay (La Cordillera).

SUBLUGUBRINA (Malloch), 1912:8 (*Limosina*; nom. nov. for *lugubris* Williston). Type-locality: W.I., St. Vincent. Distr. — W.I. (St. Vincent), Puerto Rico (Utuado). Refs. — Richards, 1961a:563, 1964b:611. (Specimens of "*L. sublugubrina*" recorded from the U.S.A. are really *L. palliceps* Johnson, 1915).

lugubris Williston, 1896:433, fig. 162 (*Limosina*; preocc. Haliday, 1836). Type-locality: W.I., St. Vincent (description and figure, but not specimen in British Museum now marked as type).

SUBSTITUTA Richards, 1961a:563 (nom. nov. for *sublugubrina* Spuler). Type-locality: Puerto Rico, Utuado. Distr. — Puerto Rico (Utuado). Ref. — Richards, 1964b:612.

sublugubrina Malloch of Spuler, 1925b:103.

SUBSTRIATA (Duda), 1925:109 (*Mallochella*). Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).

SYLVICOLA Richards, 1965b:121 (nom. nov. for *lugubrina* Malloch). Type-locality: Puerto Rico, Aguadilla. Distr. — Puerto Rico.

lugubrina Malloch, 1913b:369 (*Limosina*; preocc. Zetterstedt, 1847). Type-locality: Puerto Rico, Aguadilla. Refs. — Spuler, 1925b:103; Duda, 1925:114.

VITTATA Malloch, 1914a:12, fig. 7. Type-locality: Costa Rica, Juan Viñas. Distr. — Costa Rica. Refs. — Spuler, 1925b:101; Duda, 1925:111.

Subgenus BROMELOECIA Spuler

Leptocera, subg. BROMELOECIA Spuler, 1923:375. Type-species, *Limosina bromeliarum* Knab & Malloch (orig. des.).

BROMELIARUM (Knab & Malloch), 1912:413, 1 fig. (*Limosina*). Type-locality: Mexico, Córdoba (bred from leaves of an epiphytic bromeliad). Distr. — Mexico, Costa Rica. Refs. — Malloch, 1914a:16 (bred from folded leaves of *Heliconia mariae*); Spuler, 1925b:119; Duda, 1925:144.

Subgenus LIMOSINA Macquart

LIMOSINA Macquart, 1835:571 (as genus). Type-species, *Borborus silvaticus* Meigen (Westwood, 1840:154).

Limosina, subg. *Scotophilella* Duda, 1918:34, 104. Type-species, *Borborus silvaticus* Meigen (Duda, 1924:6).

Leptocera, subg. *Spelobia* Spuler, 1923:376. Type-species, *Limosina tenebrarum* Aldrich (orig. des.).

Leptocera, subg. *Americaptilotus* Richards, 1951:845. Type-species, *Aptilotus borealis* Malloch (orig. des.).

Aptilotus, Amer. authors, not Mik.

BISECTA Malloch, 1914a:20. Type-locality: Costa Rica, Cartago. Distr. — Costa Rica. Refs. — Spuler, 1925a:155; Duda, 1925:197.

BOLIVIENSIS Duda, 1925:169, fig. 24. Type-locality: Bolivia, Soccata. Distr. — Bolivia (Soccata).



- CHILENICA Duda, 1925:147. Type-locality: Peru, Cuzco; Chile, Magallanes, Punta Arenas. Distr. — Peru (Cuzco), Argentina (Neuquén, Río Negro), Chile (Llanquihue, Magallanes). Ref. — Richards, 1931:81.
- CONSANGUINEA (Blanchard), in Gay, 1852:468 (*Limosina*). Type-locality: Chile, Coquimbo. (Subgenus doubtful).
- CURVITARSIS Duda, 1925:167. Type-locality: Brazil, Santa Catarina, Blumenau. Distr. — Brazil (Santa Catarina).
- DARWINI Richards, 1931:80, pl. 1, fig. 12. Type-locality: Argentina, Río Negro, Bariloche. Distr. — Argentina (Río Negro), Chile (Llanquihue, Concepción, Magallanes, Valparaíso, Valdivia, Cautín, Bío-Bío, Ñuble), Juan Fernández Is. (Masafuera I.). Refs. — Richards, 1955:80, 1961b:63, 1963:245.
- crassicosta* Enderlein, 1938:654, figs. 17-18 (*Gyretria*). Type-locality: Juan Fernández Is., Masatierra I.
- DOLICHOPTERA Richards, 1963:20, figs. 7-8. Type-locality: Peru, Lima, N.W. Caneto. Distr. — Peru (Lima).
- ELEGANS Spuler, 1925a:149, fig. 17. Type-locality: Bermudas. Distr. — U.S.A., Bermudas.
- EMPIRICA (Hutton), 1901:94 (*Limosina*). Type-locality: "New Zealand". Distr. — Europe, Iceland, Canada, New Zealand; Juan Fernández Is. (Masatierra I.), Falkland Is. Ref. — Harrison, 1959:270, figs. 305, 313, 321.
- pectinifera* Villeneuve, 1917:333 (*Limosina*). Type-locality: France, Rambouillet. Refs. — Duda, 1925:175; Richards, 1941:323, 1955:80.
- cadaverina* Duda, 1918:130, pl. 5, fig. 34 (*Limosina*). Type-locality: Austria, Vienna.
- FLAVIPES (Meigen), 1830:208 (*Borborus*). Type-locality: "Europe". Distr. — Europe, Canary Is., New Zealand; ?Ecuador, Juan Fernández Is. (Masatierra I.). Refs. — Meigen, 1838:409; Duda, 1938:122, pl. 5, fig. 44; Richards, 1955:81.
- minutissima* Zetterstedt, 1847:2505 (*Limosina*). Type-locality: "Sweden". Ref. — Becker, 1919:183.
- retracta* Rondani, 1880:21, 27 (*Limosina*). Type-locality: "Italy". Ref. — Duda, 1925:181.
- FUSCA Duda, 1925:191, fig. 28. Type-locality: Paraguay, La Cordillera, San Bernardino. Distr. — Paraguay (La Cordillera).
- GIBBA Spuler, 1925a:154, fig. 8. Type-locality: "Jamaica". Distr. — Jamaica.
- INAEQUALIS Malloch, 1914a:21. Type-locality: Costa Rica, Cartago. Distr. — Costa Rica. Ref. — Duda, 1925:197. (Subgenus doubtful).
- LONGIPENNIS Duda, 1925:178, fig. 26. Type-locality: Bolivia, La Paz, Guaqui. Distr. — Bolivia (La Paz).
- MEDIOSPINOSA Duda, 1925:182, fig. 27. Type-locality: Transvaal, Pretoria; Australia, Botany Bay; Chile, Santiago. Distr. — Australia (Sydney), Congo (Léopoldville), Union of S. Africa, New Zealand; South Shetland Is., Argentina (?Salta, Buenos Aires). Refs. — Duda, 1929: 35; Richards, 1931:84, 1941:323, 1955:81.
- MINIMELLA Richards, 1965b:121 (nom. nov. for *minima* Malloch). Type-locality: Costa Rica, Río Tempisque, Filadelfia. Distr. — Costa Rica.
- minima* Malloch, 1914a:16 (*Limosina*; preocc. Macquart, 1835). Type-locality: Costa Rica, Río Tempisque, Filadelfia. Refs. — Spuler, 1925a:147; Duda, 1925:107.

- MOLLIS Richards, 1963:243, figs. 12-14. Type-locality: Honduras, Brus Lagoon. Distr. — Honduras (Brus Lagoon).
- NIVEIPENNIS (Malloch), 1913b:370 (*Limosina*). Type-locality: Puerto Rico, Mayaguez. Distr. — Puerto Rico. Refs. — Spuler, 1925a:147; Duda, 1925:119 (possibly belongs to subgenus *Pterogramma*).
- ORBICULARIS (Becker), 1919:182, pl. 16, fig. 6 (*Limosina*). Type-locality: Ecuador, Cuenca. (Subgenus doubtful).
- PALLICORNIS Malloch, 1914:15, fig. 6. Type-locality: Costa Rica, Juan Viñas. Distr. — Costa Rica. Refs. — Spuler, 1925a:83; Duda, 1925:197.
- PARAMINIMA Duda, 1925:170. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica (La Suiza de Turrialba).
- PARAMOESTA Duda, 1925:194, fig. 30. Type-locality: Bolivia, La Paz, Mapiri, Sarampiuni, 700 m; Peru, Pasco, Pichis road. Distr. — Peru, Bolivia, Argentina.
- ?*analis* Duda, 1929:36, fig. 3. Type-locality: Argentina, Salta, Aguari.
- PHYCOPHILA Richards, 1963:241, figs. 9-11. Type-locality: Chile, Santiago, El Tabo (on seaweed). Distr. — Peru (Lima), Chile (Santiago).
- PLUMBEA Duda, 1925:177, fig. 15. Type-locality: Peru, Cuzco, 3200-3600 m. Bolivia, La Paz, 2000-3000 m. Distr. — Peru, Bolivia.
- PLUMISETA Duda, 1925:185. Type-locality: "Paraguay". Distr. — Paraguay.
- ?*caudata* Duda, 1929:35, fig. 2. Type-locality: Paraguay, La Cordillera, near Asunción.
- PLUMOSULA (Rondani), 1880:27 (*Limosina*). Type-locality: "Italy". Distr. — Europe, Canary Is., Madeira, Azores, Ethiopia, Congo (Léopoldville); Ecuador (Cuenca, Tulcán, Yuasai). Ref. — Becker, 1919:181, pl. 15, fig. 6 (identification dubious).
- PROPULSA Duda, 1925:171. Type-locality: Paraguay, La Cordillera, San Bernardino. Distr. — Paraguay (La Cordillera).
- PUMILA (Williston), 1896:432, fig. 160 (*Limosina*). Type-locality: W.I., St. Vincent. Distr. — W.I. (St. Vincent), Puerto Rico. Refs. — Spuler, 1925a:151; Curran, 1928:69.
- QUADRISETOSA Malloch, 1914a:18. Type-locality: Costa Rica, Cartago. Distr. — Costa Rica. Refs. — Spuler, 1925a:155; Duda, 1925:197.
- REGULARIS Malloch, 1914a:19. Type-locality: Costa Rica, Juan Viñas. Distr. — Costa Rica. Ref. — Spuler, 1925a:151. (See also *L. (Chaetopodella) tonsa* Duda).
- ROTUNDIPENNIS (Malloch), 1913b:370 (*Limosina*). Type-locality: Puerto Rico, Culebra I. Distr. — Puerto Rico. Refs. — Spuler, 1925a:119; Duda, 1925:119 (?).
- VARICOSTA (Malloch), 1914a: fig. 7 (*Limosina*). Type-locality: Costa Rica, Alhajuela. Distr. — U.S.A. (Maryland), Mexico (Vera Cruz), Costa Rica, Puerto Rico. Refs. — Spuler, 1925a:76; Duda, 1925:176.

Subgenus TRACHYOPELLA Duda

- Trachyops* Rondani, 1880:24 (preocc. Dallas, 1851). Type-species, *Limosina melania* Haliday (orig. des.).
- Limosina*, subg. TRACHYOPELLA Duda, 1918:34, 195. Type-species, *Limosina melania* Haliday (Spuler, 1925b:103).
- HYALINERVIS Duda, 1925:201. Type-locality: Paraguay, Boquerón, Chaco. Distr. — Paraguay (Boquerón).

Subgenus COPROICA Rondani

Heteroptera Macquart, 1835:570 (preocc. Rafinesque, 1814). Type-species, *Limosina pusilla* Meigen (mon.; misident.) = *acutangula* (Zetterstedt).

COPROICA Rondani, 1861:10 (as genus; nom. nov. for *Heteroptera* Macquart). Type-species, *Limosina pusilla* Meigen (aut.; misident.) = *acutangula* (Zetterstedt).

Limosina, subg. *Coprophila* Duda, 1918:45. Type-species, *Borborus vagans* Haliday (Spuler, 1925b:122).

Ref. — Richards, 1960 (revision of spp.).

CACTI Richards, 1960:203, fig. 4. Type-locality: U.S.A., Arizona, Maricopa Co. Distr. — U.S.A. (Arizona, California), Mexico (Baja California).

DISTICHA (Becker), 1919:184, pl. 14, fig. 16 (*Limosina*). Type-locality: Ecuador, Cillacocha. (Subgenus doubtful).

FERRUGINATA (Stenhammar), 1854:397 (1855:139) (*Limosina*). Type-locality: "Sweden". Distr. — Pacific Is., India, W. and E. Africa, Atlantic Is., Egypt, Europe, N. America; Bermudas, W.I. (St. Vincent), Puerto Rico, Surinam, Argentina. Ref. — Richards, 1960:205.

illotus Williston, 1896:434, fig. 162 (*Borborus*). Type-locality: W.I., St. Vincent.

HIRTULA (Rondani), 1880:40 (1880a:38) (*Limosina*). Type-locality: "Italy". Distr. — Europe, Africa, Pacific Is., New Zealand, N. America; Bermudas, Bolivia, Chile, Argentina. Refs. — Richards, 1960:206, 1963:245.

exigua Adams, 1904:454 (*Limosina*; preocc. Rondani, 1880). Type-locality: U.S.A., New Mexico.

exiguella Spuler, 1925b:123, fig. 14 (nom. nov. for *exigua* Adams).

HIRTULOIDEA Duda, 1925:206. Type-locality: Peru, Cuzco; Bolivia, La Paz, Mapiro, Lorenzopata. Distr. — Peru, Bolivia. Ref. — Richards, 1960:206.

MITCHELLI (Malloch), 1913a:135 (*Limosina*). Type-locality: U.S.A., Texas, Victoria. Distr. — U.S.A. (Texas, Arizona), Costa Rica (Cartago, Juan Viñas, Tierra Blanca). Refs. — Malloch, 1914a:11; Spuler, 1925b:124, fig. 13; Richards, 1960:202.

SETULOSA Duda, 1929:38. Type-locality: Bolivia, Santa Cruz, San José de Chiquitos. Distr. — Bolivia. Ref. — Richards, 1960:206.

VAGANS (Haliday), 1833:178 (*Borborus*). Type-locality: "Ireland". Distr. — Europe, Asia, Pacific Is., Africa; Canada, U.S.A., Bolivia, Chile, Argentina. Refs. — Duda, 1925:205; Richards, 1931:82, 1960:205, 1963:245.

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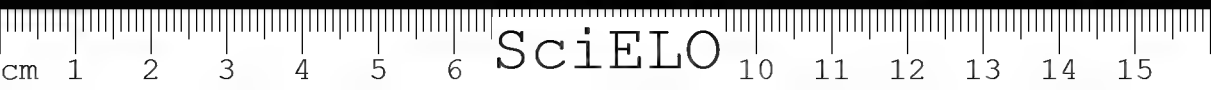
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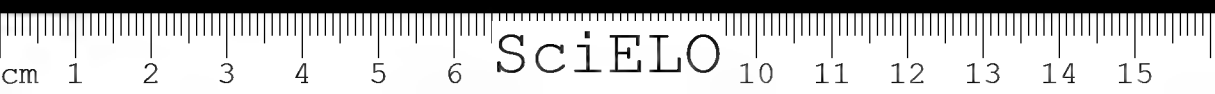
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<i>triangularis</i> Richards, 1964, <i>Frutillaria</i>	72.4
<i>trigonata</i> Spuler, 1924, <i>Leptocera</i>	72.10
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<i>truncipennis</i> Enderlein, 1909, <i>Antrops</i>	72.4
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DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

73

FAMILY BRAULIDAE

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This is a family consisting of a single genus and perhaps only one species. The immature stages are found in bee hives and the adults attach themselves to the bees. The species may be of considerable economic importance, damaging the hive cells and taking the food of the larval and adult bees. The biology of *Braula coeca* has been studied in detail by Hassanein & Abd El-Salam (1962b).

Genus BRAULA Nitzsch

BRAULA Nitzsch, 1818:314. Type-species, *coeca* Nitzsch (mon.).

COECA Nitzsch, 1818:315. Type-locality: ? Europe. Distr. — U.S.A., Cuba, Venezuela (D.F.), Colombia (Antioquia), Peru (Lima), Brazil (Bahia, São Paulo), Argentina (Buenos Aires), Chile (O'Higgins); Africa, Tasmania. Ref. — Hassanein & Abd El-Salam, 1962a, figs. 1-22 (anatomy, larva, pupa, adult).

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MUSEU DE ZOOLOGIA, UNIVERSIDADE DE SÃO PAULO
(Formerly Departamento de Zoologia, Secretaria da Agricultura,
São Paulo)

A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

74

FAMILY TETHINIDAE

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The Tethinidae is a small family of little pale, pollinose flies of worldwide distribution. Most of the described species are known from the Holarctic Region. Until recently, taxonomic studies of the group have been based largely upon the external adult characters with little regard for the genitalic characters and because of this probably less than one-half of the species have been described.

Most tethinids are found on ocean beaches and can be on the sand in both the wet and dry zones, rotting seaweed or algae, or on the dune grasses. Some *Pelomyia* species are not hallophitic and have been collected in forests, meadows, and deserts (Melander, 1952).

The immature stages of Tethinidae are unknown.

Recent comprehensive works on the family are by Hendel (1934) for the world, Melander (1952) for North America, Collin (1966) for the Palearctic Region, and Malloch (1934) for southern South America. The only papers on Neotropical tethinids are by Hennig (1936) and Prado & Tavares (1966).

I have indicated the type depositories as they are given in the original literature and the abbreviations are as follows: CAS = California Academy of Sciences, San Francisco; BM(NH) = British Museum (Natural History), London; IOC = Instituto Oswaldo Cruz, Rio de Janeiro; MCZ = Museum of Comparative Zoology, Harvard University, Cambridge; USNM = United States National Museum, Washington, D.C.; and Zool. Mus., Oslo = Zoologiske Museum, Oslo.

I would like to express my gratitude to Dr. F. Christian Thompson of the U.S. Department of Agriculture, Systematic Entomology Laboratory, Washington, D.C., for his valuable comments on the manuscript.

Genus PELOMYIA Williston

PELOMYIA Williston, 1893: 258. Type-species, *occidentalis* Williston (mon.).

CORONATA (Loew), 1866: 185 (*Rhinoessa*). Type-locality: U.S.A., Georgia.
Distr. — North America; Mexico (Durango); Peru. Type(s) ♀,
MCZ.



- INTERMEDIA Malloch, 1934: 460. Type-locality: Argentina, Bahia Blanca. Distr. — Argentina (Buenos Aires). Type ♀, BMNH.
- PERUVIANA Malloch, 1934: 458. Type-locality: "Peru". Distr. — Peru (Lima, Cuzco, Puno); Bolivia (La Paz); Chile (Antofagasta to ?Magallanes [Tacna (Hennig, 1936: 140)]). Type ♀, USNM.
- TRIVITTATA Malloch, 1934: 459. Type-locality: Chile, Renaico. Distr. — Chile (Valparaiso to Malleco). Type ♂, USNM.
- VIEDMAE Malloch, 1934: 460. Type-locality: Argentina, Viedma. Distr. — Argentina (Rio Negro). Type ♂, BMNH.

Genus TETHINA Haliday

- Opomyza*, subg. TETHINA Haliday, 1838: 188. Type-species, *illota* Haliday (mon.).
- Rhinoessa* Loew, 1862: 174. Type-species, *cinerea* Loew (mon.) = *grisea* (Fallén).
- Phycomyza* Melander, 1952: 198. Type-species, *Rhinoessa milichioides* Melander (orig. des.).
- ALBULA (Loew), 1869: 44 (*Rhinoessa*). Type-locality: U.S.A., Rhode Island, Newport. Distr. — North America; Hawaii; Argentina (Chubut); Chile (Tarapacá). Types ♂ ♀, MCZ. Ref. — Prado & Tavares, 1966: 431, figs. 1-6 (male genitalia) (redescr.).
- BRASILIENSIS Prado & Tavares, 1966: 435, figs. 15-23 (male genitalia), 24-25 (female genitalia). Type-locality: Brazil, Guanabara, Ilha do Governador (Galeão). Distr. — Brazil (Rio Grande do Norte, Bahia, Guanabara). Type ♂, IOC.
- CARIOCA Prado & Tavares 1966: 433, figs. 7-13 (male genitalia), 14 (wing). Type-locality: Brazil, Guanabara, Ilha do Governador (Galeão). Distr. — Brazil (Rio de Janeiro, Guanabara). Type ♂, IOC.
- albula* (Loew) of Frey, 1919: 15, misident.
- CHILENSIS Malloch, 1934: 455. Type-locality: Chile, Antofagasta. Distr. — Chile (Antofagasta). Type ♂, USNM.
- INSULANS Curran, 1932: 358. Type-locality: Galápagos Is., Floreana, Post Office Bay, Seaside. Distr. — Galápagos Is. (Floreana). Type ♂, Zool. Mus., Oslo.
- SETULOSA Malloch, 1934: 454. Type-locality: Chile, Tocopilla. Distr. — Chile (Tarapacá to Antofagasta). Type ♂, USNM.
- SONORENSIS (Melander), 1952: 207 (*Rhinoessa*). Type-locality: Mexico, Sonora, Rocky Point Marsh. Distr. — Mexico (Sonora). Lectotype ♂ [here designated and deposited in USNM, labelled "Sonora, Mexico, Rocky Pt. Marsh, 21 April '47, A. L. Melander" (1st label); "Lectotype, *Tethina sonorensis* (Melander), George A. Foster 1974" (2nd label)]; paralectotypes ♂, CAS and USNM.
- SPINULOSA Cole, 1923: 478. Type-locality: Mexico, Baja California, Las Animas Bay. Distr. — U.S.A. (southern California); Mexico (Baja California). Type ♂, CAS.

WILLISTONI (Melander), 1913: 298 (*Rhinoessa*; nom. nov. for *cinerea* Williston). Type-locality: St. Vincent Is. Distr. — St. Vincent Is.; Jamaica. 12 Syntypes, BM(NH).

cinerea Williston, 1896: 444 (*Anthomyza*; preocc. Loew, 1862). Type-locality: St. Vincent Is.

XANTHOPODA (Williston), 1896: 445 (*Anthomyza*). Type-locality: St. Vincent Is. Distr. — St. Vincent Is. 3 Syntypes, BM(NH).

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MUSEU DE ZOOLOGIA, UNIVERSIDADE DE SÃO PAULO
(FORMERLY DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO)

A CATALOGUE OF THE DIPTERA OF THE AMERICAS SOUTH
OF THE UNITED STATES

75

FAMILY MILICHIIDAE

(PHYLLOMYZIDAE, INCLUDING CARNIDAE)

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Milichiid flies are small and inconspicuous, usually black, often dull or subshining but sometimes highly polished. In males of some species, the abdominal dorsum is all or partly silvery, flashing brilliantly as the males dance in the sun. The larvae are saprophagous or coprophagous, and there are numerous rearing records from manure, compost heaps, decaying plants or plant materials, birds' nests, etc. Some species are associated with ants, and at least some of these have been reared from detritus deep in the nests of leaf-cutting ants (*Atta*). Adults of some species have a commensal relationship with predatory insects, riding on them and sucking juices that exude from the victims.

Some species are easily spread in commerce and have become virtually cosmopolitan. Most Neotropical genera are unrevised, and many undescribed species are known in some of them.

References: Curran, 1934 (key to genera); Hennig, 1937 (general, key to genera), 1956 (larvae).

Subfamily CARNINAE

This chiefly Holarctic group is sometimes recognized as a separate family. Ref. — Hennig, 1972 (rev.).

Genus MEONEURA Rondani

MEONEURA Rondani, 1856:128. Type-species, *Agromyza obscurella* Fallén (orig. des.). Ref. — Sabrosky, 1959a (rev.).

POLITA Sabrosky, 1959a:20. Type-locality: U.S.A., Texas, Fort Stockton.

Distr. — Western U.S.A., Mexico (Morelos).
sp. Peru (Sabrosky, 1959a).

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Genus NEOMEONEURITES Hennig

NEOMEONEURITES Hennig, 1972:1. Type-species, *chilensis* Hennig (orig. des.).

CHILENSIS Hennig, 1972:1, figs. 1-9, 13, 16, 19-21. Type-locality: Chile, Santiago Prov., western slopes of Andes, along route between Santiago and Farellones, Farellones, 2950 m. Distr. — Chile (Santiago).

Subfamily MADIZINAE

Genus COSTALIMA Sabrosky

COSTALIMA Sabrosky, 1953:40. Type-species, *myrmicola* Sabrosky (orig. des.).

MYRMICOLA Sabrosky, 1953:41. Type-locality: Brazil, Minas Gerais, Viçosa. Distr. — ?Panama (Canal Zone), Brazil (Minas Gerais).

Genus DESMOMETOPA Loew

DESMOMETOPA Loew, 1866:184 (Centuria 6, no. 96). Type-species, *Agromyza m-atrum* Meigen (Hendel, 1903:251) = *sordida* (Fallén).

Platophrymyia Williston, 1896:426. Type-species, *nigra* Williston (mon.).

Platophrymia (error) Aldrich, 1905:649.

FLAVICOXA Hendel, 1932:143. Type-locality: N. Argentina, Tacaaglé. Distr. — Paraguay, Argentina.

INAURATA Lamb, 1914:363. Type-locality: Seychelles. Distr. — Bahamas, Puerto Rico, Virgin Is., Dominica, El Salvador, also widely recorded in Ethiopian Region, Australia, Samoa, Hawaii.

M-NIGRUM (Zetterstedt), 1848:2743 (*Agromyza*). Type-locality: Sweden. Distr. — Cuba, Dominica, Jamaica, Chile, also virtually cosmopolitan.

PALPALIS Meijere, 1914:251. Type-locality: Java and Sumatra. Distr. — Brazil (São Paulo), Puerto Rico.

SINGAPORENSIS Kertész, 1899:194. Type-locality: Singapore. Distr. — Antigua, Bolivia, Brazil (São Paulo), Chile, Clipperton I., Cuba, Galapagos Is., Mexico (Veracruz), Panama and Canal Zone, Puerto Rico, Virgin Islands, also U.S.A. and widely recorded in Mediterranean Subregion, Africa, the Oriental Region, and Australasia.

TARSALIS Loew, 1866:184 (Centuria 6, no. 96). Tye-locality: "Cuba". Distr. — Costa Rica, Dominican Republic, Mexico, Dominica, St. Vincent. *nigra* Williston, 1896:426 (*Platophrymyia*). Type-locality: St. Vincent.

Genus LEPTOMETOPA Becker

LEPTOMETOPA Becker, 1903:188. Type-species, *rufifrons* Becker (mon.).

Hypaspistomyia Hendel, 1907:240. Type-species, *coquilletti* Hendel (mon.).

Paramadiza Malloch in Melander, 1913b:169 (preocc. Melander, 1913). Type-species, *Desmometopa halteralis* Coquillett (mon.).

Mallochiella Melander, 1913b:169 (nom. nov. for *Paramadiza* Malloch).
Type-species, *Desmometopa halteralis* Coquillett (aut.).

HALTERALIS (Coquillett), 1900:267 (*Desmometopa*). Type-locality: Puerto Rico, Utuado. Distr. — Bahamas, Mexico (Veracruz), also U.S.A., southern Canada.

LATIPES (Meigen), 1830:177 (*Agromyza*). Type-locality: Germany. Distr. — Cuba, also widespread, Nearctic and Palearctic Regions, Formosa, Malaya.

Genus MICROSIMUS Aldrich

MICROSIMUS Aldrich, 1926:2. Type-species, *luteus* Aldrich (orig. des.).

LUTEUS Aldrich, 1926:3. Type-locality: Bolivia, Isiamas.

Genus NEOPHYLLOMYZZA Melander

NEOPHYLLOMYZZA Melander, 1913a:243. Type-species, *quadricornis* Melander (orig. des.).

MAGNIPALPIS (Williston), 1896:443 (*Phyllomyza*). Type-locality: St. Vincent. *magnipalpus* (error) Melander, 1913a:243.

Genus PARAMYIA Williston

PARAMYIA Williston, 1897:1. Type-species, *nigra* Williston (mon.).

FUMIPENNIS Malloch, 1934:465. Type-locality: Peru, Iquitos.

NIGRA Williston, 1897:2. Type-locality: Grenada. ? = *nitens*.

NITENS (Loew), 1869:45 (Centuria 8, no. 82) (*Phyllomyza*). Type-locality: U.S.A., Pennsylvania. Distr. — Mexico (Nayarit), also U.S.A., southern Canada. Recorded s. to Chile and s. Brazil.

Genus PHYLLOMYZA Fallén

PHYLLOMYZA Fallén, 1810:20. Type-species, *securicornis* Fallén (sub. mon., Fallén, 1823:8).

Undescribed spp. Colombia, Costa Rica, Panama and Canal Zone, Trinidad.

Genus STOMOSIS Melander

STOMOSIS Melander, 1913a:242. Type-species, *Desmometopa luteola* Coquillett (orig. des.) = *innominata* (Williston).

Siphonomyiella Frey, 1919 (?1918):16. Type-species, *rufula* Frey (orig. des.). Ref. — Sabrosky, 1958 (key).

INNOMINATA (Williston), 1896:443 (*Agromyza*). Type-locality: St. Vincent. Distr. — Colombia, Costa Rica, El Salvador, Honduras, Mexico (Chiapas), Panama and Canal Zone, Trinidad, also Arizona.

luteola Coquillett, 1902:188 (*Desmometopa*). Type-locality: U.S.A., Arizona, Williams.

RUFULA (Frey), 1919 (?1918):18 (*Siphonomyiella*). Type-locality: Brazil, Rio de Janeiro.

Subfamily MILICHIINAE

Genus ECCOPTOMMA Becker

ECCOPTOMMA Becker, 1907:540. Type-species, *frontale* Becker (Malloch, 1934: 463). Ref. — Becker, 1907 (key).

CONCAVUM Becker, 1907:541. Type-locality: Chile, Santiago.

FRONTALE Becker, 1907:542. Type-locality: Chile, Coronel. Distr. — Argentina, Chile (Valparaiso).

MONTANUM Becker, 1907:541. Type-locality: Chile, Peru, Cuzco, and Bolivia, Sorata.

Genus MILICHIA Meigen

MILICHIA Meigen, 1830:131. Type-species, *speciosa* Meigen (Westwood, 1840: 151).

AETHIOPS Malloch, 1913:133. Type-locality: U.S.A., Texas, Harlingen. Distr. — Mexico (Baja California, Nuevo Leon, Zacatecas).

Genus MILICHIELLA Giglio-Tos

MILICHIELLA Giglio-Tos, 1895:367. Type-species, *Tephritis argentea* Fabricius (mon.; misident.) = *tosi* Becker. A case of misidentified type-species that should be submitted to the Commission.

Ophthalmomyia Williston, 1896:426. Type-species, *Lobioptera lacteipennis* Loew (mon.).

Ref. — Becker, 1907 (partial key).

ABERRATA Becker, 1907:538. Type-locality: Bolivia, Sorata, and Peru, Rosalina, Rio Urubamba.

ARGENTEOCINCTA Johnson, 1919:449. Type-locality: Jamaica, Kingston.

BISIGNATA Melander, 1913a:239. Type-locality: U.S.A., New Jersey, Riverton. Distr. — Costa Rica, Mexico (Hidalgo). ? = *lucidula* Becker.

CINEREA (Coquillett), 1900:268 (*Ophthalmomyia*). Type-locality: Puerto Rico, Bayamon. Distr. — "Santo Domingo, West Indies".

CINGULATA Becker, 1907:538. Type-locality: Peru, Pichis, Puerto Bermúdez.

DIMIDIATA (Wiedemann), 1830:597 (*Chlorops*). Type-locality: Surinam. Unrecognized.

FLAVIPALPIS Hendel, 1932:142. Type-locality: Bolivia, San José de Chiquitos. Distr. — Argentina (Misiones).

LACTEIPENNIS (Loew), 1866:185 (Centuria 6, no. 97) (*Lobioptera*). Type-locality: Cuba. Distr. — Brazil, Chile (Angol, Valparaiso), Costa Rica, Dominica, Grenada, Hispaniola, Jamaica, Mexico (Jalisco), Nicaragua, Panama, Peru, Puerto Rico, St. Vincent, Venezuela, Virgin Is. (St. Thomas), also virtually cosmopolitan.

- LUCIDULA Becker, 1907:537. Type-locality: Peru, Callanga, and Bolivia, Sorata.
- NITIDA (Walker), 1836:359 (*Gymnopa*). Type-locality: Brazil, "St. Catherine's", N. COMB.
- NUDIVENTRIS Becker, 1907:537. Type-locality: Bolivia, Mapiri Sarampiuni, 700 m.
- TRICINCTA Becker, 1907:540. Type-locality: Chile, Arica.
- VELUTINA Becker, 1907:539. Type-locality: Peru, Rosalina, Rio Urubamba.
- VIDUA Becker, 1907:539. Type-locality: Peru, Rio Urubamba, Umahuankiali.

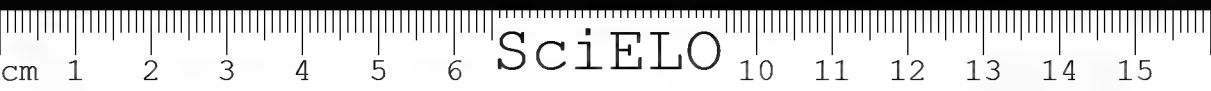
Genus PHOLEOMYIA Bilimek

- PHOLEOMYIA Bilimek, 1867:903. Type-species, *leucozona* Bilimek (mon.).
- Rhynchomilichia* Hendel, 1903:250. Type-species, *Lobioptera argyrophenga* Schiner (orig. des.; misident.) = *schineri* Hendel.
- Paramilichia* Malloch, 1913:135. Type-species, *Milichia longiseta* Becker (mon.). Refs. — Becker, 1907 (partial key, as *Rhynchomilichia*).
- Sabrosky, 1959b (key, N. Amer. spp.).
- AEQUATORIALIS Séguy, 1934:14. Type-locality: Ecuador, El Napo.
- ANOMALA Hendel, 1933:82. Type-locality: Brazil, Soledade.
- ANTHRACINA (Becker), 1907:525 (*Rhynchomilichia*). Type-locality: Paraguay, Asunción.
- ARGYRATA Hendel, 1932:137. Type-locality: N. Argentina, Tapikiolé.
- ARGYROPHENGA (Schiner), 1868:291 (*Lobioptera*). Type-locality: "South America". Distr. — Bolivia, Peru.
- argyrocephala* (error) Hendel, 1932:135.
- argyrogastra* (error) Hendel, 1932:135.
- DAMFFI Sabrosky, 1959b:328. Type-locality: Guatemala, Petén, Caves of Jobitzinal near Flores. Distr. — Mexico (Tabasco).
- EXCELSIOR (Becker), 1907:526 (*Rhynchomilichia*). Type-locality: Bolivia, Mapiri, Sarampiuni, 700 m.
- FASCIVENTRIS (Becker), 1907:528 (*Rhynchomilichia*). Type-locality: Bolivia, Mapiri, Sarampiuni, 700 m.
- HURDI Sabrosky, 1959b:324. Type-locality: Mexico, Nayarit, Ahuacatlan. Distr. — Mexico (Nuevo Leon, Jalisco).
- indecora* (Loew). Not Neotropical. Published records refer to *myopa* or *politifacies*.
- INSECTA (Becker), 1907:527 (*Rhynchomilichia*). Type-locality: Bolivia, Mapiri, S. Carlos, 800 m.
- LATIFRONS Sabrosky, 1959b:321. Type-locality: Bahamas, Eleuthera I., Governor's Harbor. Distr. — Bahamas, ? Cuba.
- LEUCOGASTRA (Loew), 1861:43 (*Milichia*). Type-locality: Cuba. Distr. — Mexico (Guerrero, Jalisco, Morelos), St. Vincent.

- LEUCOZONA Bilimek, 1867:903. Type-locality: Mexico, cave Cacahuamilpa.
cacahuamilpensis Herrera, 1892:272 (unnecessary nom. nov.). Type-locality: Mexico, cave Cacahuamilpa.
- LONGIFACIES Hendel, 1933:81. Type-locality: Brazil, and Paraguay, San Bernardino.
- LONGISETA (Becker), 1907:530 (*Milichia*). Type-locality: Paraguay, Asunción. Distr. — Argentina (Chaco, Formosa), Nicaragua.
- MYOPA Melander, 1913a:238. Type-locality: "Hayti". Distr. — Bahamas, Bolivia, Brazil (Mato Grosso, Pará), Costa Rica, Cuba, Dominica, Dominican Republic, Mexico (Tabasco), Panama Canal Zone, Puerto Rico, Trinidad, Venezuela, also Florida.
- PALPARIS (Becker), 1907:524 (*Rhynchomilichia*). Type-locality: Paraguay, Asunción.
- PECTORALIS Hendel, 1932:138. Type-locality: Bolivia, Villa Montes.
- POLITIFACIES Sabrosky, 1959b:323. Type-locality: Dominican Republic, Prov. Trujillo, Cambito. Distr. — Barbados, Brazil (Pará), Colombia, Costa Rica, Dominica, El Salvador, Mexico (Jalisco, Morelos, Tabasco, Tamaulipas), Panama Canal Zone, Puerto Rico (Vieques I.), Trinidad, also Society Is. (Tahiti) and Central Africa.
- PRAEOCELLARIS Hendel, 1932:139. Type-locality: Bolivia, Villa Montes.
- PRAESECTA (Becker), 1907:525 (*Rhynchomilichia*). Type-locality: Peru, mouth of Rio Pachitea. ? = *leucozona*.
- PROMINENS (Becker), 1907:526 (*Rhynchomilichia*). Type-locality: Peru, Chanchamayo, and Bolivia, Mapiri, Sarampiuni, 700 m.
- QUADRIFASCIATA Hendel, 1932:139. Type-locality: Bolivia, Esmeralda, Rio Pilcomayo.
- SCHINERI (Hendel), 1932:136 (*Rhynchomilichia*). Type-locality: "Brazil". Distr. — Argentina, Brazil (Mato Grosso, Santa Catarina), Paraguay.
argyrophenga Schiner of Hendel, 1903, and Becker, 1907 (misident.).
- SORORCULA (Becker), 1907:521 (*Rhynchomilichia*). Type-locality: "Bolivia, Peru".

Genus PSEUDOMILICHIA Becker

- PSEUDOMILICHIA Becker, 1907:542. Type-species, *schnusei* Becker (Hendel, 1932:135).
- Macromilichia* Hendel, 1932:140. Type-species, *nigricosta* Hendel (orig. des.).
- IMPLICATA Becker, 1907:543. Type-locality: Peru, Pichis, Puerto Bermúdez.
- SCHNUSEI Becker, 1907:543. Type-locality: Peru, Meshagua, and Bolivia, Mapiri, San Antonio.
nigricosta Hendel, 1932:142 (*Macromilichia*). Type-locality: Bolivia, "El Cairo", northwest of Santa Cruz de la Sierra.



Genus ULLA Becker

- ULLA Becker, 1907:544. Type-species, *poecilogastra* Becker (mon.).
POECILOGASTRA Becker, 1907:544. Type-locality: Peru, Pichis and Rosalina.
Distr. — Bolivia, Costa Rica.

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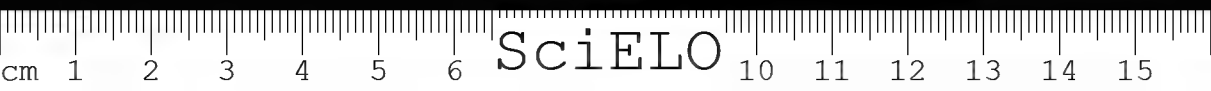
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MUSEU DE ZOOLOGIA, UNIVERSIDADE DE SÃO PAULO

(Formerly Departamento de Zoologia, Secretaria da Agricultura, São Paulo)

A CATALOGUE OF THE DIPTERA OF THE AMERICAS SOUTH OF THE UNITED STATES

76

FAMILY CANACEIDAE

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The "beach flies" are closely similar in appearance and habits to the Ephydriidae, although their true relationship is closer to the Miliichiidae and Sphaeroceridae. In habit, canaceids are almost all intertidal. The larvae feed on algae on wave-splashed rocks or sandy beaches.

Refs. — Williams, 1938 : 85 (biology, figs.); Wirth, 1951 : 245 (world revision, keys).

Genus CANACE Haliday

Ephydra, subg. CANACE Haliday, 1939:411. Type-species, *nasica* Haliday (mon.).

BLANTONI Wirth, 1956:162, fig. 1 (male genitalia). Type-locality: Panama, Darien Prov., Jaqué. Distr. — Panama.

CAVAGNAROI Wirth, 1969b:579, figs. 10, 11 (male genitalia, spermatheca). Type-locality: Galápagos Islands, Isla Santa Cruz, Academy Bay. Distr. — Galápagos Islands.

CURRANI Wirth, 1970:402, fig. 1 (male genitalia). Type-locality: Panama, Darien Prov., Jaqué. Distr. — Panama, Ecuador.

MARITIMA Wirth, 1951:263, fig. 4e-f (male, female genitalia). Type-locality: Galápagos Islands, Bartholomew Island. Distr. — Galápagos Islands.

OLIVEIRAI Wirth, 1956:164, fig. 2 (male genitalia). Type-locality: Brazil, Rio de Janeiro, Ilha Guaiuba, Baía de Sepetiba. Distr. — Brazil.

SNODGRASSI Coquillett, 1901:378. Type-locality: Galápagos Islands, Albermale Island. Distr. — Panama, Galápagos Islands.

Genus CANACEOIDES Cresson

CANACEOIDES Cresson, 1934:221. Type-species, *Canace nudata* Cresson (orig. des.).

76.1



Procanace Curran, 1934b:160 (precocc. Hendel, 1913). Type-species, *panamensis* Curran (orig. des.).

Neocanace Curran, 1934a:357 (nom. nov. for *Procanace* Curran). Type-species, *Procanace panamensis* Curran (aut.).

Ref. — Wirth, 1969a:551 (revision, key).

ANGULATUS Wirth, 1969a:556, figs. 1, 10, 19, 24 (male, female genitalia). Type-locality: Hawaii, Oahu, Waimea. Distr. — Hawaiian Islands, Baja California, Gulf of California Islands; Peru, Galápagos Islands.

BALBOAI Wirth, 1969a:559, figs. 3, 12, 21, 26 (male, female genitalia). Type-locality: Panama, Darien Prov., Jaqué. Distr. — Panama.

NUDATUS (Cresson), 1926:257 (*Canace*). Type-locality: U.S.A., California, Los Angeles Co. Distr. — U.S.A. (Washington to California), Mexico (Baja California). Ref. — Wirth, 1969a:562, figs. 4, 13, 27, 33 (male, female genitalia) (redescribed, distribution).

PANAMENSIS (Curran), 1934b:161 (*Procanace*). Type-locality: Panama, Canal Zone, Patilla Point. Distr. — Panama. Ref. — Wirth, 1969a:563, figs. 5, 14, 22, 28 (male, female genitalia) (redescribed, distribution).

SCUTELLATUS Wirth, 1969a:563, figs. 6, 15, 29 (male, female genitalia). Type-locality: Mexico, Isla Ildefonsa. Distr. — Mexico (Gulf of California).

SETOSUS Wirth, 1969a:565, figs. 7, 16, 30 (male, female genitalia). Type-locality: Mexico, Isla Santa Catalina. Distr. — Mexico (Gulf of California).

SPINOSUS Wirth, 1969a:567, figs. 8, 17, 31 (male, female genitalia). Type-locality: Mexico, Baja California, Cabo San Lucas. Distr. — Mexico (Baja California).

Genus NOCTICANACE Malloch

NOCTICANACE Malloch, 1934:4. Type-species, *peculiaris* Malloch (orig. des.).

Ref. — Wirth, 1951:269 (revision, key).

ASHLOCKI Wirth, 1969b:589, figs. 43-47, 49 (wing, male and female genitalia). Type-locality: Galápagos Islands, Isla Santa Cruz, Academy Bay. Distr. — Galápagos Islands.

CANCER Wirth, 1969b:586, figs. 33-34 (male genitalia). Type-locality: Galápagos Islands, Isla Pinta. Distr. — Galápagos Islands.

CHILENSIS (Cresson), 1931:116 (*Canace*). Type-locality: Chile, Ancud. Distr. — Chile, Panama.

CURIOI Wirth, 1969b:583, figs. 14, 15, 18-23 (legs, male and female genitalia). Type-locality: Galápagos Islands, Isla Wolf. Distr. — Galápagos Islands.



- DARWINI Wirth, 1969b:585, figs. 24-29 (leg, male and female genitalia). Type-locality: Galápagos Islands, Isla Genovesa. Distr. — Galápagos Islands.
- GALAPAGENSIS (Curran), 1934b:160 (*Procanace*). Type-locality: Galápagos Islands, Albemarle Island, Tagus Cove. Distr. — Galápagos Islands. Refs. — Curio, 1964:794 (habits; resting on crabs); Wirth, 1969b:581, figs. 12-13, 17 (male, female genitalia) (re-described, distr.).
- SCAPANIUS Wirth, 1969b:586, figs. 30-32 (male genitalia, spermatheca). Type-locality: Galápagos Islands, Isla Fernandina, Punta Espinosa. Distr. — Galápagos Islands.
- SPINICOSTA Wirth, 1969b:589, figs. 38, 40-42 (wing, male and female genitalia). Type-locality: Galápagos Islands, Isla Fernandina, Punta Espinosa. Distr. — Galápagos Islands.
- TEXENSIS (Wheeler), 1952:92 (*Canaceoides*). Type-locality: U.S.A., Texas, Galveston. Distr. — U.S.A. (Texas, Florida), Puerto Rico.
- USINGERI Wirth, 1969b:587, figs. 35-37, 39 (male, female genitalia). Type-locality: Galápagos Islands, Isla Fernandina, Punta Espinosa. Distr. — Galápagos Islands.

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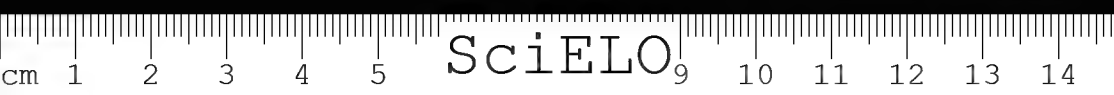
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SciELO

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SUPERFAMILY DROSOPHILOIDEA

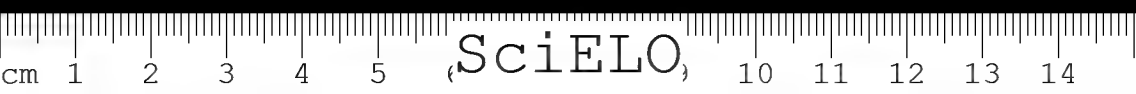
Family Ephydridae

Family Curtonotidae

Family Drosophilidae

Family Diastatidae





SciELO

DEPARTAMENTO DE ZOOLOGIA, SECRETARIA DA AGRICULTURA, SÃO PAULO

A CATALOGUE OF THE DIPTERA OF THE AMERICAS SOUTH
OF THE UNITED STATES

77

FAMILY EPHYDRIDAE

WILLIS W. WIRTH

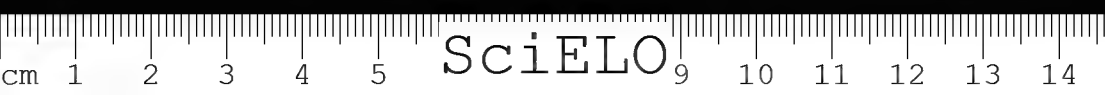
*Systematic Entomology Laboratory, Entomology Research Division,
Agr. Res. Serv., USDA¹*

The Ephyridae, or "shore flies", are mainly beneficial, providing important food for wildlife, especially waterfowl inhabiting the marshes where these flies so commonly breed (Martin & Uhler, 1939; Rooth, 1965). The larvae are aquatic or semiaquatic and the adults are usually found close by on the surface of the mud or water, or on low, emergent vegetation. The "brine flies" of the genus *Ephydra* or its relatives become so abundant in the salt and alkaline lakes of western North America that in times past the Indians often took advantage of their numbers to gather puparia from the windrows where they were stranded on the beaches and prepare them for use as food (Aldrich, 1912; Essig, 1926). In a few areas the leaf or stem mines of *Hydrellia* may become extensive enough to damage crops of watercress, or rice, barley, and other irrigated cereals (Grigarick, 1959).

From the aquatic and semiaquatic habitats typical in this family various genera have evolved remarkably divergent habits with corresponding structural and biological modifications of the larvae (Hennig, 1943, 1952). Leaf miners have developed in the Psilopinae (*Psilopa* and *Clanoneurum* in beets and other Chenopodiaceae) and in the Notiphilinae (*Hydrellia* in a wide variety of aquatic and semiaquatic plants, *Lemnophila* in Lemnaceae). The larvae of *Discomyza* are scavengers in shells of dead snails, and *Hecamede* and *Allotrichoma* in carrion and feces. The larvae of the petroleum fly, *Helaeomyia petrolei* (Coquillett) have been found in pools of crude petroleum. *Trimerina madizans* (Fallén) has been reared from eggs of spiders, and *Gastrops* from egg clusters of frogs.

The greatest evolutionary specialization in the family, however, has been in the adaptation to great extremes of salt concentration in aquatic habitats. Although many ephyrid genera are common and characteristic of the muddy margins of freshwater streams, ponds, and marshes, they do not compare in abundance and importance in the biota with those genera which are found in maritime marshes and tidal salt pools, or in the salt and alkaline lakes and ponds characteristic of arid regions.

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As environmental extremes force out less salt-tolerant animals, ephydriids may take over with less competition until their numbers may reach fantastic proportions. The relative isolation and lack of competition in such habitats has resulted in remarkable evolution of very distinctive specialized genera and species. It is expected that more intensive study of the numerous Neotropical "salinas" will yield much of interest in their shore fly inhabitants.

The basic classification of the Ephydriidae first laid down by Loew (1860) and followed by Becker (1896, 1926) divided the Ephydriidae into three subfamilies, Ephydrinae, Notiphilinae, and Hydrelliinae. Cresson gradually evolved a classification differing somewhat from theirs, and recognizing the four subfamilies adopted here. In 1942 Cresson issued the first of his "Synopsis", in which he presented by subfamily for each major zoogeographic region, keys for the identification of tribes, genera, and species, and complete, up to date information on synonymy, distribution, and status of all species known to him. Soon after the completion of the subfamilies Psilopinae and Notiphilinae, his task was unfortunately interrupted by death in 1948, leaving unfinished the Parydrinae and Ephydrinae. Sturtevant & Wheeler (1954) presented an excellent revision of the North American Parydrinae and Ephydrinae and a few other genera to supplement Cresson's synopses, and their work now forms the guideline for my treatment of these respective groups. In my opinion, however, their reduction of many of Cresson's genera to subgeneric rank is probably too conservative, and I have usually followed Cresson's treatment.

Except for incidental descriptions of species, our knowledge of the Neotropical Ephydriidae began with studies by Williston (1896, 1897) on the species of St. Vincent and Brazil, respectively. Beginning with the study of a large Costa Rican collection made by P. P. Calvert, Cresson published a total of 30 papers on the Neotropical fauna during the three decades he specialized in this family. During the 1930's Hendel contributed important papers on the Neotropical ephydriids. More recently Oliveira (1954-1958) intensively studied *Dimecoenia* and Wirth (1955-1957) reviewed the ephydriids of the Bahamas and the Juan Fernandez Islands. Still, our knowledge of the Neotropical shore flies is in its infancy, for an estimated 150 new species are already found in the U. S. National Museum collections awaiting revisionary study and description.

Subfamily PSILOPINAE

Ref. — Cresson, 1946:131 (synopsis).

Tribe GYMNOPINI

Ref. — Cresson, 1922a:325 (revision, keys).

Genus MOSILLUS Latreille

MOSILLUS Latreille, 1804:196. Type-species, *arcuatus* Latreille (sub. mon., Latreille, 1805:390) = *subsultans* (Fabricius).

Gymnopa Fallén, 1820:10. Type-species, *aenea* Fallén (mon.) = *subsultans* (Fabricius).



TIBIALIS Cresson, 1916b:149. Type-locality: U.S.A., New Jersey, Wildwood. Distr. — Mexico, Guatemala, West Indies (Bahamas, Barbuda), Bermuda; North America (British Columbia to Quebec, south to California and Florida).

Genus *ATHYROGLOSSA* Loew

ATHYROGLOSSA Loew, 1860:12. Type-species, *Notiphila glabra* Meigen (mon.).

Ochtheroidea Williston, 1896:401. Type-species, *atra* Williston (mon.).

Parathyroglossa Hendel, 1931:68. Type-species, *Athyroglossa ordinata* Becker (orig. des.).

Ref. — Sturtevant & Wheeler, 1954:343 (key).

BARROSI Brèthes, 1919:44. Type-locality: Chile, Santiago, Río Blanco. Distr. — Chile.

FASCIPENNIS (Cresson), 1918:60 (*Ochtheroidea*). Type-locality: Colombia, Aracataca. Distr. — Panama, Colombia, Venezuela, Ecuador, Brazil. Ref. — Cresson, 1922a:326, pl. 20, fig. 10 (wing).

GLAPHYROPUS Loew, 1878:197. Type-locality: U.S.A., Texas. Distr. — Entire Central and South America and West Indies, U.S.A. (Illinois to Virginia, south to Texas and Florida). Ref. — Cresson, 1922a:340, pl. 20, figs. 3, 8, 11, 12 (head, wing, fore femur). *atra* Williston, 1896:401, pl. 13, fig. 146 (wing, leg) (*Ochtheroidea*). Type-locality: "St. Vincent". N. SYN.

dubia Williston, 1896:392, pl. 13, fig. 138 (wing, head) (*Discomyza*). Type-locality: "St. Vincent". N. SYN.

LAEVIS (Cresson), 1918:61 (*Ochtheroidea*). Type-locality: Costa Rica, Alajuela. Distr. — Cuba, and Mexico, throughout West Indies, Central and South America to Brazil and Bolivia.

granulosa Cresson of Cresson, 1922a:341; 1946:132.

NITIDA Williston, 1896:397, pl. 13, fig. 132 (head). Type-locality: "St. Vincent". Distr. — Mexico, Costa Rica, Panama, Venezuela, Colombia, Bolivia, Ecuador, Guyana, West Indies (Cuba, Puerto Rico, Dominica).

centralis Cresson, 1918:60, pl. 3, figs. 13, 14 (head, leg) (*Ochtheroidea*). Type-locality: Costa Rica, Turrucare. N. SYN.

SIMILIS (Cresson), 1918:61 (*Ochtheroidea*). Type-locality: Costa Rica, Cachi, Río Reventazón. Distr. — Costa Rica, Panama, Ecuador, Colombia, Bolivia, West Indies (Virgin Islands, Dominica). Ref. — Cresson, 1922a:338, pl. 20, fig. 7 (fore femur).

SULCATA (Hendel), 1930b:139 (*Ochtheroidea*). Type-locality: Bolivia, San José, Chiquitos. Distr. — Bolivia.

TECTORA Cresson, 1926:249. Type-locality: "Peru". Distr. — Peru, Ecuador.

Genus *CEROMETOPUM* Cresson

CEROMETOPUM Cresson, 1914:241. Type-species, *mosilloides* Cresson (orig. des.).

Cerometopon Cresson, 1922a:342, error.

LACUNOSUM Cresson, 1925:165. Type-locality: Costa Rica, Higuito, San Mateo. Distr. — Costa Rica, Panama.



MOSILLOIDES Cresson, 1914:242, pl. 10, fig. 3 (head). Type-locality: Colombia, Baranquilla. Distr. — Colombia, Paraguay, Argentina.

Tribe ATISSINI

Genus ATISSA Haliday

ATISSA Haliday in Curtis, 1837:281. Type-species, *Ephydra pygmaea* Haliday (mon.).

Parephydra Coquillett, 1902:183. Type-species, *humilis* Coquillett (orig. des.) = *pygmaea* (Haliday).

LUTEIPES Cresson, 1944:2. Type-locality: Honduras, Puerto Castillo. Distr. — Honduras.

MIMULA Cresson, 1931a:92. Type-locality: Argentina, Viedma. Distr. — Argentina.

PYGMAEA (Haliday), 1833:174 (*Ephydra*). Type-locality: "Ireland". Distr. — El Salvador, Panama, Bahamas, Dominica, Argentina; Europe, North America.

Genus PTILOMYIA Coquillett

PTILOMYIA Coquillett, 1900b:261. Type-species, *enigma* Coquillett (orig. des.) = *parva* (Williston).

Atissiella Cresson, 1918:55. Type-species, *setulosa* Cresson (orig. des.).

Alocatissa Hendel, 1930b:134. Type-species, *lindneri* Hendel (orig. des.). Ref. — Sturtevant & Wheeler, 1954:253 (rev., key).

LINDNERI (Hendel), 1930b:135 (*Alocatissa*). Type-locality: Argentina, Lapango, Pilcomayo. Distr. — Panama, Ecuador, Bolivia, Argentina.

LOBIOCHAETA Sturtevant & Wheeler, 1954:254. Type-locality: Texas, Palmetto State Park, Ottine. Distr. — El Salvador, U.S.A. (California, Arizona, Texas).

MABELAE (Cresson), 1926:253 (*Atissiella*). Type-locality: U.S.A., Pennsylvania, Swarthmore. Distr. — Mexico, Panama, Ecuador, U.S.A. (Texas to Pennsylvania and Florida).

PARVA (Williston), 1896:399, pl. 13, fig. 143 (wing) (*Hydrellia*). Type-locality: "St. Vincent". Distr. — El Salvador, Costa Rica, Panama, Ecuador, West Indies (Bahamas, Puerto Rico, Grenada, Dominica, St. Vincent), Trinidad, U.S.A. (California to Louisiana and Florida). N. COMB.

enigma Coquillett, 1900b:262. Type-locality: Puerto Rico, Bayamon. N. SYN.

FLEURISSETA (Cresson), 1942:111 (*Atissiella*). Type-locality: New Mexico, Las Cruces. Distr. — Mexico, El Salvador, U.S.A. (California to Texas).

SETULOSA (Cresson), 1918:55, pl. 3, fig. 9 (head) (*Atissiella*). Type-locality: Costa Rica, Cartago. Distr. — Costa Rica. Ref. — Cresson, 1946:139 (redescribed).



Genus NANNODASTIA Hendel

- NANNODASTIA Hendel, 1930a:68. Type-species, *horni* Hendel (orig. des.).
Ref. — Sabrosky & Wirth, 1958:109 (discussion).
HORN Hendel, 1930a:70, figs. (wing, head). Type-locality: Taiwan,
Anping. Distr. — West Indies (Dominica); Taiwan, Hawaii.

Genus PSEUDOHECAMEDE Hendel

- PSEUDOHECAMEDE Hendel, 1936:104. Type-species, *nasalis* Hendel (orig. des.) = *salubris* (Cresson).
ABDOMINALIS (Williston), 1896:398 (*Hecamede*). Type-locality: "St. Vincent". Distr. — Mexico, Honduras, Costa Rica, Panama, West Indies (Bahamas, Puerto Rico, Dominica, St. Vincent), Venezuela, Brazil, Peru, Bolivia, Paraguay, Argentina.
longirostre Hendel, 1930b:135 (*Allotrichoma*). Type-locality: Bolivia, Fortín Esteros. N. SYN.
FACIALIS Hendel, 1936:105. Type-locality Brazil, Pará, Santarém. Distr. — West Indies (Bahamas), Ecuador, Brazil.
SALUBRIS (Cresson), 1930b:78 (*Allotrichoma*). Type-locality: "Brazil". Distr. — Brazil, Paraguay, Argentina.
nasalis Hendel, 1936:104. Type-locality: Paraguay, Chaco.

Genus HECAMEDE Haliday

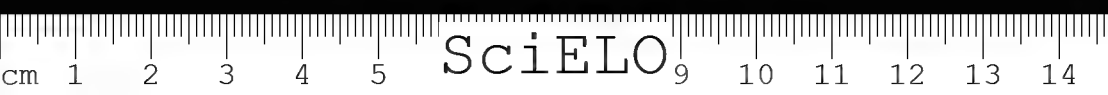
- Notiphila*, subg. HECAMEDE Haliday in Curtis, 1837:281. Type-species, *Notiphila albicans* Meigen (mon.).
BRASILIENSIS Cresson, 1938:24. Type-locality: Brazil, Guanabara, Rio de Janeiro, Praia da Gávea. Distr. — Brazil.

Genus ALLOTRICHOMA Becker

- ALLOTRICHOMA Becker, 1896:121. Type-species, *Hecamede lateralis* Loew (orig. des.).
YOSEMITE Cresson, 1926:252. Type-locality: U.S.A., California, Yosemite Valley. Distr. — Mexico (Baja California); U.S.A. (British Columbia to Montana, south to California and Arizona).

Genus DIPHUIA Cresson

- DIPHUIA Cresson, 1944:3. Type-species, *anomala* Cresson (orig. des.).
Ref. — Wirth, 1956:3 (taxonomy).
ANOMALA Cresson, 1944:4. Type-locality: Panama, Monte Lirio, Canal Zone. Distr. — Panama, Colombia, Ecuador, West Indies (Dominica).
NASALIS Wirth, 1956:3. Type-locality: Bahamas, Long Island, Deadman's Cay. Distr. — West Indies (Bahamas).



Genus GLENANTHE Haliday

Hydrellia, subg. GLENANTHE Haliday, 1839:404. Type-species, *Hydrellia ripicola* Haliday (mon.).

LITOREA Cresson, 1925:166. Type-locality: U.S.A., New Jersey, Wildwood. Distr. — El Salvador, Panama, West Indies (Bahamas, Dominica, Trinidad); North America (coastal, Alaska to California, New Brunswick to Florida).

Genus PARAGLENANTHE Wirth

PARAGLENANTHE Wirth, 1956:6. Type-species, *bicolor* Wirth (orig. des.).

BAHAMENSIS Wirth, 1956:8. Type-locality: Bahamas, South Bimini Island. Distr. — West Indies (Bahamas).

BICOLOR Wirth, 1956:7. Type-locality: Bahamas, Turks and Caicos Islands, West Caicos Island. Distr. — West Indies (Bahamas).

PLEURALIS Wirth, 1956:7. Type-locality: Bahamas, San Salvador Island, near Cockburn Town. Distr. — West Indies (Bahamas).

Genus PELIGNELLUS Sturtevant & Wheeler

PELIGNELLUS Sturtevant & Wheeler, 1954:252. Type-species, *subnudus* Sturtevant & Wheeler (orig. des.).

SUBNUDUS Sturtevant & Wheeler, 1954:252. Type-locality: U.S.A., California, Orange County, Corona del Mar. Distr. — Panama; U.S.A. (California).

Tribe DISCOCERININI

Genus DISCOCERINA Macquart

DISCOCERINA Macquart, 1835:527, pl. 21, fig. 11 (habitus). Type-species, *Notiphila pusilla* Meigen (Coquillett, 1910:534) = *obscura* (Fallén). Coquillett's synonymy of *obscura* with *pusilla* is only implied, i.e. Macquart's first species.

Psilopa, sectio *Clasiopa* Stenhammar, 1844:159. Type-species, *Notiphila obscura* Fallén (orig. des.).

Subgenus DISCOCERINA Macquart

FLAVIFRONS Hendel 1930b:137. Type-locality: Bolivia, Camatindi. Distr. — Brazil, Bolivia.

FLAVIPES Cresson, 1941b:35. Type-locality: U.S.A., California, Bakersfield. Distr. — Mexico, Guatemala, Costa Rica, Panama, Venezuela, Ecuador, Peru, Colombia, Brazil, Paraguay, Argentina, West Indies (Puerto Rico, St. Thomas, Dominica), U.S.A. (California, Arizona).

NEPOS Cresson, 1918:57. Type-locality: Costa Rica, Cartago, Irazú. Distr. — Costa Rica.

OBSKURELLA (Fallén), 1813:251 (*Notiphila*). Type-locality: "Sweden".
Distr. — Europe, entire North, Central and South America, West
Indies.

parva Loew of Cresson, 1918:58.

nitidiventris Hendel, 1930b:136. Type-locality: Argentina (San José);
Bolivia (San José de Chiquitos and Fortín Esteros); Paraguay
(Trinidad near Asunción).

SANA Cresson, 1931a:90. Type-locality: Chile, Ensenada. Distr. — Ecu-
dor, Peru, Chile.

TRILINEATA Cresson, 1918:57. Type-locality: Costa Rica, Juan Viñas. Distr.
— Costa Rica. Ref. — Cresson, 1946:145 (redescribed).

Subgenus BASILA Cresson

BASILA Cresson, 1942:116 (as genus). Type-species, *Ditrichophora nadi-
neae* Cresson (orig. des.).

BALSAMAE (Cresson), 1930b:77 (*Ditrichophora*). Type-locality: Honduras,
Puerto Castilla. Distr. — Honduras.

BISETULOSA (Cresson), 1939:7 (*Ditrichophora*). Type-locality: Paraguay,
San Bernardino. Distr. — Paraguay, Uruguay, Argentina.

FUMIPENNIS Wirth, 1955:53. Type-locality: Juan Fernandez Islands, Ma-
satierra, Plazoleta del Yunque. Distr. — Juan Fernandez Islands.

NANA Williston, 1896:396. Type-locality: "St. Vincent". Distr. — Costa
Rica, Colombia, West Indies (Dominican Republic, Puerto Rico,
Dominica, St. Vincent).

PAINTERI (Cresson), 1930b:76 (*Ditrichophora*). Type-locality: Honduras,
Puerto Castilla. Distr. — Honduras, Venezuela, Brazil.

POLITA (Edwards), 1933:117 (*Ditrichophora*). Type-locality: Argentina,
Lake Gutiérrez. Distr. — Argentina, Chile.

PUELLA (Cresson), 1931a:91 (*Ditrichophora*). Type-locality: Chile, Casa
Pangue. Distr. — Chile, Argentina.

Subgenus LAMPROCLASIOPA Hendel

Discocerina, subg. LAMPROCLASIOPA Hendel 1933a:79. Type-species, *facialis*
Hendel (orig. des.).

ARACATACA Cresson, 1940:5. Type-locality: Colombia, Aracataca. Distr. —
Colombia, Chile.

CHALYBEA Hendel, 1930b:138. Type-locality: Argentina, Lapango, Pilco-
mayo. Distr. — Mexico, Colombia, Ecuador, Bolivia, Paraguay,
Argentina.

HENDELI Wirth, nom. nov. for *facialis* Hendel. Type-locality: Bolivia,
Cillunticara. Distr. — Bolivia.

facialis Hendel, 1933a:79 (*Lamproclasiopa*; preocc. in *Discocerina* by
Williston, 1896). Type-locality: Bolivia, Cillunticara.

NITIDA Cresson, 1918:57, pl. 3, fig. 8 (head). Type-locality: Costa Rica,
Guapiles. Distr. — Mexico, El Salvador, Costa Rica, Panama,
Colombia, Ecuador, Venezuela, Peru, Brazil, Argentina.



- OBSCURA Williston, 1896:397. Type-locality: "St. Vincent". Distr. — Panama, Brazil, West Indies (Cuba, Puerto Rico, Dominica, St. Vincent), U.S.A. (New York to Florida, Texas, Louisiana, Georgia).
- UNIVITTATA Cresson, 1946:147. Type-locality: Peru, Iquitos. Distr. — Costa Rica, Panama, Ecuador, Peru, Brazil.

Genus GUTTIPTILOPA Wirth

- GUTTIPTILOPA Wirth, 1956:9. Type-species, *haydeni* Wirth (orig. des.).
- HAYDENI Wirth, 1956:11, fig. 1 (wing). Type-locality: Bahamas, Andros Island, Fresh Creek. Distr. — West Indies (Bahamas).

Genus HYDROCHASMA Hendel

- HYDROCHASMA Hendel, 1936:101. Type-species, *zernyi* Hendel (mon.) = *faciale* (Williston).
- CERACEPS (Cresson), 1938:27 (*Hecamedoides*). Type-locality: "Brazil". Distr. — Brazil, Uruguay.
- FACIALE (Williston), 1896:396, pl. 13, fig. 141 (head) (*Discocerina*). Type-locality: "St. Vincent". Distr. — Guatemala, West Indies (Dominica, St. Vincent), Ecuador, Brazil, Argentina, U.S.A. (California, Arizona, Texas). N. COMB.
- zernyi* Hendel, 1936:103, fig. 5 (head). Type-locality: Brazil, Pará, Santarém. N. SYN.
- capax* Cresson, 1938:26. Type-locality: Guatemala, Gualán. N. SYN.
- INCISUM (Coquillett), 1902:182 (*Discocerina*). Type-locality: Puerto Rico (Vieques Island, Fajardo, Mayaguez, Aguadillo, Utuado, Arroyo). Distr. — Entire Central and South America, West Indies (Puerto Rico, Jamaica, Dominica), U.S.A. (Florida).
- poecilogastra* Hendel, 1930b: 138 (*Discocerina*). Type-locality: Bolivia, Fortín Esteros.
- LEUCOPROCTUM (Loew), 1861:355 (Cent. 1, no. 93) (*Discocerina*). Type-locality: U.S.A., Maryland. Distr. — Mexico, Guatemala, Costa Rica, Panama, Colombia, Venezuela, Ecuador, Bolivia, Argentina; U.S.A. (Minnesota to Maine, south to Texas and Florida).
- PATENS Cresson, 1938:27. Type-locality: Uruguay, Montevideo. Distr. — Panama, Ecuador, Uruguay, Argentina.

Genus POLYTRICHOPHORA Cresson

- POLYTRICHOPHORA Cresson, 1924:161. Type-species, *agens* Cresson (orig. des.).
- AGENS Cresson, 1924:161. Type-locality: U.S.A., Texas, Galveston. Distr. — West Indies (Bahamas); U.S.A. (coastal, Maine to Texas).
- BORINQUENI Cresson, 1930b:77. Type-locality: Puerto Rico, Adjuntas. Distr. — West Indies (Puerto Rico, Dominica).
- PULCHRA (Cresson), 1918:56 (*Discocerina*). Type-locality: Costa Rica, Turrucare. Distr. — Honduras, Costa Rica, Panama, Colombia, Ecuador, Peru, West Indies (Dominica).

SETULOSA (Cresson), 1918:58, pl. 3, fig. 16 (head) (*Discocerina*). Type-locality: Costa Rica, Filadelfia, Rio Tempisque. Distr. — Mexico, El Salvador, Costa Rica, Panama, Colombia, Ecuador, Bolivia, Argentina, West Indies (Dominica).

Genus PECTINIFER Cresson

PECTINIFER Cresson, 1944:4. Type-species, *Discocerina aenea* Cresson (orig. des.).

AENEUS (Cresson), 1918:59 (*Discocerina*). Type-locality: Costa Rica, Cartago, Irazú. Distr. — Costa Rica, Panama, West Indies (Dominica).

Genus PARATISSA Coquillett

PARATISSA Coquillett, 1900a:36. Type-species, *Drosophila pollinosa* Williston (orig. des.) = *semilutea* (Loew).

SEMILUTEA (Loew), 1869:51 (Cent. 8, no. 97) (*Cacoxenus*). Type-locality: "Cuba". Distr. — Panama, Galápagos Islands, West Indies (Bahamas, Cuba, Puerto Rico, Virgin Islands, Virgin Gorda, Barbuda, Antigua, Tobago, Dominica), Bermuda; U.S.A. (Florida).

pollinosa Williston, 1896:414 (*Drosophila*). Type-locality: "St. Vincent".

Tribe PSILOPINI

Genus PSILOPA Fallén

PSILOPA Fallén, 1823:6. Type-species, *Notiphila nitidula* Fallén (Rondani, 1856:132).

Psilopa leucostoma (Meigen) mines the leaves of sugar beet in Europe and North America.

DESMATA Williston, 1896:395. Type-locality: "St. Vincent". Distr. — West Indies (St. Vincent). Unrecognized.

DUPLA Cresson, 1940:2. Type-locality: U.S.A., New Jersey, Trenton. Distr. — West Indies (Bahamas); U.S.A. (Illinois to Maryland, south to Texas and Florida, Arizona).

NIGROPUNCTA Williston, 1896:393. Type-locality: "St. Vincent". Distr. — West Indies (St. Vincent).

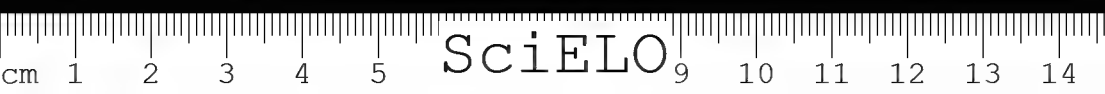
OLGA Cresson, 1922b:137. Type-locality: U.S.A., Washington, Olga. Distr. — El Salvador, Galápagos Islands, Chile; North America (Alaska to Quebec, south to California, Colorado and Texas).

PULCHRIPES Loew, 1878:197. Type-locality: U.S.A., Texas. Distr. — West Indies (Puerto Rico, Dominica), Mexico, Panama, Colombia, Ecuador, Peru, Brazil, Bolivia, Paraguay; southern U.S.A.

unica Cresson, 1926:250. Type-locality: Paraguay, San Bernardino.

Genus LEPTOPSILOPA Cresson

LEPTOPSILOPA Cresson, 1922b:136. Type-species, *Psilopa similis* Coquillett (orig. des.).



- ATRIMANA (Loew), 1878:197 (*Psilopa*). Type-locality: U.S.A., District of Columbia and Texas. Distr. — Mexico, Guatemala, West Indies (Cuba); North America (Manitoba to Quebec, south to Arizona and Florida).
- LINEANOTA Cresson, 1922b:136. Type-locality: Panama, Paraiso, Canal Zone. Distr. — Costa Rica, Panama, Colombia, Venezuela, Brazil, Guyana, Trinidad.
- METALLINA (Becker), 1919:203 (*Psilopa*). Type-locality: Ecuador (La Rinconada, Cuenca, Tulcán. Distr. — Colombia, Ecuador, Peru.
- NIGRICOXA Cresson, 1922b:136. Type-locality: Paraguay, Asunción. Distr. — Mexico (Veracruz), Honduras, El Salvador, Peru, Brazil, Paraguay, Argentina.
- NIGRIMANA (Williston), 1896:393 (*Psilopa*). Type-locality: "St. Vincent". Distr. — Entire Central and South America and West Indies from Mexico and Bahamas.
- willistoni* Cresson, 1918:53 (*Psilopa*; unnecessary nom. nov. for *nigramana* Williston, not von Röser, 1840).
- SIMILIS (Coquillett), 1900a:33 (*Psilopa*). Type-locality: U.S.A., Florida, Biscayne Bay. Distr. — Mexico, Costa Rica, Panama, Ecuador, Venezuela, Peru, West Indies (Cuba, Dominica); U.S.A. (Texas to Florida).
- SUBAPICALIS Cresson, 1922b:136. Type-locality: Trinidad, Port of Spain. Distr. — Honduras, Costa Rica, Panama, Colombia, Venezuela, Brazil, Argentina, Trinidad.

Genus HELAEOMYIA Cresson

- HELAEOMYIA Cresson, 1941b:35. Type-species, *Psilopa petrolei* Coquillett (orig. des.).
- Mimapsilopa* Cresson, 1941b:36. Type-species, *Clasiopella metatarsata* Cresson (orig. des.).
- METATARSATA (Cresson), 1939:8 (*Clasiopella*). Type-locality: Panama, Pedro Miguel, Canal Zone. Distr. — Panama.
- nigra* Williston of Cresson, 1946:153. Needs new name.
- PETROLEI (Coquillett), 1899:8 (*Psilopa*). Type-locality: U.S.A., California, Los Angeles. Distr. — Trinidad, West Indies (Cuba); U.S.A. (California). Refs. — Thorpe, 1930:331; 1931:101 (biology, breeding in pools of petroleum); Bruner, 1951:59 (Cuba).
- SCHILDI (Cresson), 1944:5 (*Psilopa*). Type-locality: Costa Rica, La Suiza. Distr. — Costa Rica.

Genus CEROPSILOPA Cresson

- CEROPSILOPA Cresson, 1917b:340. Type-species, *nasuta* Cresson (orig. des.).
- BATULA Cresson, 1940:2. Type-species, *Psilopa mellipes* Coquillett (orig. des.).
- ADJUNCTA Cresson, 1925:165. Type-locality: Puerto Rico, Adjuntas. Distr. — West Indies (Puerto Rico, Dominica), U.S.A. (Florida).

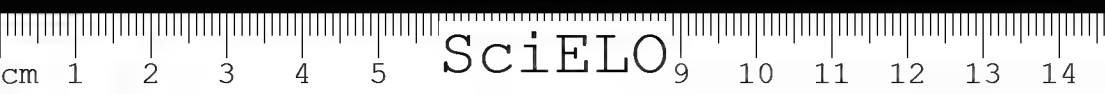
- COQUILLETTI Cresson, 1922b:136. Type-locality: U.S.A., California, Pacific Grove. Distr. — Mexico, Panama, Colombia, Venezuela, Argentina, West Indies (Bahamas, Haiti, Puerto Rico), Trinidad; U.S.A. (California to Maryland and Florida).
- COSTALIS Wirth, 1956:12, fig. 2 (wing). Type-locality: U.S.A., Virginia, Richmond County, Warsaw. Distr. — West Indies (Bahamas, Jamaica); U.S.A. (Virginia, Florida).
- DISPAR Cresson, 1922b:135. Type-locality: U.S.A., California, San Diego County. Distr. — Mexico; U.S.A. (California).
- MELIPES (Coquillett), 1900b:260 (*Psilopa*). Type-locality: Puerto Rico, Utuado and Arroyo. Distr. — West Indies (Cuba, Puerto Rico); U.S.A. (Texas, Florida).
- NASUTA Cresson, 1917b:341. Type-locality: Trinidad, Port of Spain. Distr. — West Indies (Cuba, Puerto Rico), Trinidad, Brazil; U.S.A. (Florida).
- STAFFORDI Cresson, 1925:166. Type-locality: U.S.A., Louisiana, New Orleans. Distr. — West Indies (Bahamas, Dominica); U.S.A. (coastal, California, Texas to Georgia).

Genus CLASIOPELLA Hendel

- CLASIOPELLA Hendel, 1914b:110. Type-species, *uncinata* Hendel (orig. des.).
- UNCINATA Hendel, 1914b:110. Type-locality: Taiwan, Anping. Distr. — West Indies (Dominica), U.S.A. (Florida), Australasian and Ethiopian Regions.

Genus CRESSONOMYIA Arnaud

- Plagiops* Cresson, 1918:53 (preocc. Townsend, 1911). Type-species, *nitidifrons* Cresson (orig. des.).
- Plagiopsis* Cresson, 1934:201 (nom. nov. for *Plagiops* Cresson; preocc. Brauer & Bergenstamm, 1890). Type-species, *Plagiops nitidifrons* Cresson (aut.).
- CRESSONOMYIA Arnaud, 1958:24 (nom. nov. for *Plagiopsis* Cresson). Type-species, *Plagiops nitidifrons* Cresson (aut.).
- ACICULATA (Loew), 1862:142 (*Psilopa*). Type-locality: "Cuba". Distr. — Mexico to Brazil and Bolivia, West Indies; U.S.A. (Texas to Georgia). Ref. — Williston, 1896:394, pl. 13, fig. 140 (wing), redescribed.
- metallica* Schiner, 1868:242 (*Ephygrobia*). Type-locality: "Venezuela".
- HINEI (Cresson), 1922b:135 (*Plagiops*). Type-locality: Guatemala, Puerto Barrios. Distr. — Mexico, Guatemala, Panama; U.S.A. (New York to Texas).
- MERIDIONALIS (Cresson), 1918:52 (*Psilopa*). Type-locality: Costa Rica, Cartago. Distr. — Mexico, Costa Rica, Brazil, Paraguay, West Indies (Puerto Rico).
- NITIDIFRONS (Cresson), 1918:54, pl. 3, fig. 12 (head) (*Plagiops*). Type-locality: Costa Rica, Guacimo. Distr. — Costa Rica, Panama, Brazil, Guyana, Bolivia, Paraguay, West Indies (St. Croix).
- SKINNERI (Cresson), 1922b:136 (*Psilopa*). Type-locality: Cuba, Guantánamo. Distr. — Panama, Brazil, Paraguay, Argentina, Venezuela, West Indies (Cuba, Jamaica, Puerto Rico); U.S.A. (Florida).



Genus RHYSOPHORA Cresson

- RHYSOPHORA Cresson, 1924:159. Type-species, *robusta* Cresson (mon.).
CAERULEIVENTRIS (Loew), 1862:144 (*Psilopa*). Type-locality: "Cuba". Distr. — West Indies (Cuba, Bahamas, Haiti).
UMBROSA (Loew), 1862:143 (*Psilopa*). Type-locality: "Cuba". Distr. — West Indies (Cuba, Bahamas, U.S.A. (Florida)).

Genus PELTOPSILOPA Hendel

- PELTOPSILOPA Hendel 1914a:156. Type-species, *aspistes* Hendel (orig. des.).
ASPISTES Hendel, 1914a:158, figs. 5, 6, 7 (habitus, head, wing). Type-locality: Colombia, Aracataca. Distr. — Colombia, Venezuela.
SCHWARZI Cresson, 1922b:135. Type-locality: Cuba, Cayamas. Distr. — West Indies (Cuba).

Tribe DISCOMYZINI

Genus DISCOMYZA Meigen

- DISCOMYZA Meigen, 1830:76. Type-species, *Psilopa incurva* Fallén (mon.). Ref. — Cresson, 1939:1 (rev., key).
MACULIPENNIS (Wiedemann), 1824:57 (*Notiphila*). Type-locality: "East Indies". Distr. — Surinam, Brazil, West Indies (Cuba, Bahamas, Dominican Republic, Puerto Rico, St. Croix); U.S.A. (California), Oriental and Australasian regions.
balloptera Loew, 1862:140. Type-locality: "Cuba".

Genus CLANONEURUM Becker

- CLANONEURUM Becker, 1903:165. Type-species, *Discomyza cimiciformis* Haliday (Becker, 1926:24).
AMERICANUM Cresson, 1940:1. Type-locality: U.S.A., California, San Diego. Distr. — Mexico, West Indies (Bahamas); western North America and Atlantic and Gulf States.

Subfamily NOTIPHILINAE

Ref. — Cresson, 1947:35 (review, keys, distr.)

Tribe TYPOPSILOPINI

Genus TYPOPSILOPA Cresson

- TYPOPSILOPA Cresson, 1916b:147. Type-species, *flavitaris* Cresson (orig. des.) = *nigra* (Williston).
Ref. — Wirth (in press) (rev.).
ATRA (Loew), 1862:143 (*Psilopa*). Type-locality: U.S.A., "Middle States". Distr. — Mexico, Costa Rica; North America (California to Ontario and New York, south to Georgia and Texas).

NIGRA (Williston), 1896:393, pl. 13, fig. 139 (head) (*Psilopa*). Type-locality: "St. Vincent". Distr. — Mexico, Nicaragua, Panama, West Indies (Bahamas, Dominican Republic, Puerto Rico, Dominica); U.S.A. (California, Arizona, Texas to Virginia and Florida).

flavitaris Cresson, 1916b:147. Type-locality: U.S.A., Arizona, Bill Williams Fork.

Tribe HYDRELLIINI

Genus HYDRELLIA Robineau-Desvoidy

HYDRELLIA Robineau-Desvoidy, 1830:790. Type-species, *aurifacies* Robineau-Desvoidy (Westwood, 1840:153) = *flaviceps* (Meigen).

CALVERTI Cresson, 1918:48. Type-locality: Costa Rica, Río Surubres, Bonnefil Farm. Distr. — Costa Rica, Panama, Ecuador, West Indies (Cuba, Puerto Rico, Dominican Republic, Dominica), Trinidad.

OSORNO Cresson, 1931a:96. Type-locality: Chile, Osorno. Distr. — Chile.

SPINICORNIS Cresson, 1918:48, pl. 3, fig. 5 (head). Type-locality: Costa Rica, Alajuela. Distr. — Costa Rica.

TIBIALIS Cresson, 1917b:341. Type-locality: U.S.A., Idaho, Moscow. Distr. — Mexico, Costa Rica, Bolivia, Chile, West Indies (Dominica); North America (Washington to Quebec, south to California and Florida).

VULGARIS Cresson, 1931a:94. Type-locality: Chile, Peulla. Distr. — Costa Rica, Panama, Venezuela, Ecuador, Galápagos Islands, Juan Fernandez Islands, Uruguay, Argentina, Chile.

hypoleuca Loew of Cresson, 1918:49.

griseola Fallén of Becker, 1919:203.

obscuripes Loew of Becker, 1919:204.

XANTHOCERA Cresson, 1938:33. Type-locality: Brazil, Rio de Janeiro. Distr. — Panama, Brazil.

Tribe NOTIPHILINI

Genus NOTIPHILA Fallén

NOTIPHILA Fallén, 1810:22. Type-species, *cinerea* Fallén (Westwood, 1840:153). Ref. — Cresson, 1917a:27 (rev., key).

Subgenus NOTIPHILA Fallén

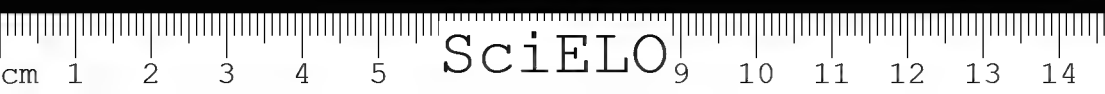
ANCUDENSIS Cresson, 1931a:98. Type-locality: Chile, Ancud. Distr. — Chile.

ERYTHROCERA Loew, 1878:194. Type-locality: "Cuba". Distr. — Entire Central and South America, West Indies (Cuba, Puerto Rico, Dominica, St. Vincent); U.S.A. (California to Illinois and New Jersey, south to Florida).

bellula Williston, 1896:390. Type-locality: "St. Vincent".

punctifera Cresson, 1917a:34. Type-locality: Brazil, Mato Grosso, Corumbá.

pura Cresson, 1917a:41 (as *virgata* var.). Type-locality: Panama, Tabernilla, Canal Zone.



- rubricornis* Becker, 1919:201. Type-locality: Ecuador, Troya, Casita-gua, Cuenca.
- FULVIMANA Cresson, 1917a:47. Type-locality Cuba, San Diego de los Baños. Distr. — Cuba.
- STRIATA Williston, 1897:5. Type-locality: "Brazil". Distr. — Guatemala, Costa Rica, Panama, Venezuela, Ecuador, Brazil, Paraguay.
- facialis* Cresson, 1917a:38. Type-locality: Panama, Tabernilla, Canal Zone.
- TERES Cresson, 1931a:97. Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina, Uruguay, Chile.
- VIRGATA Coquillett, 1900b:259. Type-locality: Puerto Rico, Vieques Island (lectotype selected by Cresson, 1917a:40). Distr. — West Indies (Dominican Republic, Puerto Rico, Martinique).

Subgenus AGROLIMNA Cresson

- Notiphila*, subg. AGROLIMNA Cresson, 1917a:48. Type-species, *scalaris* Loew (orig. des.).
- FRONTALIS Coquillett, 1904:97. Type-locality: Nicaragua, Managua and Granada. Distr. — Mexico, Guatemala, Nicaragua, Costa Rica, Panama, Colombia, Ecuador, Argentina, Brazil.
- pulchrifrons* Williston, 1897:5 (preocc. Loew, 1872). Type-locality: "Brazil".
- FURCATA (Coquillett), 1902:182 (*Dichaeta*). Type-locality: U.S.A., Florida, Biscayne Bay and Lake Worth. Distr. — West Indies (Bahamas, Haiti, Puerto Rico, Dominica); U.S.A. (coastal, Virginia to Florida and Texas).
- TRIANGULIFERA Schiner, 1868:241. Type-locality: "Venezuela". Distr. — Ecuador, Venezuela.

Unrecognized species of *Notiphila*

- ALBOCLAVATA Bigot, 1888:41. Type-locality: Orange Bay, Tierra del Fuego.
- BRASILIENSIS Walker, 1856:408. Type-locality: "Brazil".
- COSTALIS Walker, 1856:408. Type-locality: "Brazil".
- DECORATA Williston, 1896:389. Type-locality: "St. Vincent".
- EXOTICA Wiedemann, 1830:590. Type-locality: Uruguay, Montevideo.

Genus PARALIMNA Loew

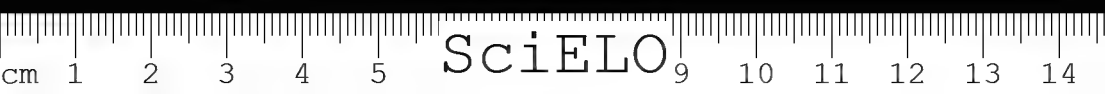
- PARALIMNA Loew, 1862:138. Type-species, *appendiculata* Loew (mon.). = *punctipennis* (Wiedemann).
- Ref. — Cresson, 1916a:102 (rev., key); 1947:46 (rev.)

Subgenus PARALIMNA Loew

- appendiculata* Loew. Not Neotropical.
- ARGYROSTOMA Cresson, 1916:120. Type-locality: Costa Rica, Banana River. Distr. — Mexico, Costa Rica, Ecuador.



- BISTRIATA Hendel, 1930b:128. Type-locality: Bolivia, El Cairo, Santa Cruz de la Sierra. Distr. — Bolivia.
- BRUNNEICEPS Cresson, 1916:120. Type-locality: Costa Rica, Turrucare. Distr. — Guatemala, El Salvador, Nicaragua, Costa Rica, Panama.
- CILIFERA Hendel, 1930b:130. Type-locality: Argentina (Aguarai), Bolivia (El Cairo, Santa Cruz de la Sierra). Distr. — Bolivia, Argentina.
- FLEXINEURIS Cresson, 1916:111, pl. 9, fig. 8 (wing). Type-locality: Peru, Chosica. Distr. — Ecuador, Peru, Argentina.
- MERIDIONALIS Cresson, 1916:119. Type-locality: Costa Rica, La Carpentera. Distr. — Mexico, Guatemala, Costa Rica, Panama, Brazil, Peru, Paraguay, Argentina.
- MOLOSSUS Schiner, 1868:242. Type-locality: "Venezuela". Distr. — Colombia, Venezuela, Trinidad, Brazil, Bolivia, Paraguay, Argentina.
- capitosa* Cresson, 1916:122 (as *puncticornis* var.). Type-locality: Trinidad, Montserrat.
- luctans* Cresson, 1933:66. Type-locality: Argentina, Misiones, Posadas.
- MULTIPUNCTATA Williston, 1896:390. Type-locality: "St. Vincent". Distr. — Mexico, Nicaragua, Costa Rica, Panama, Venezuela, West Indies (Cuba, Bahamas, Puerto Rico, St. Thomas, Jamaica, Dominica, St. Vincent, Grenada); U.S.A. (California to Texas and Florida).
- ciliata* Cresson, 1916:111, pl. 9, fig. 7 (leg). Type-locality: Costa Rica, Cartago.
- NIGROPICTA Cresson, 1916:118. Type-locality: Guatemala, Puerto Barrios. Distr. — Mexico, Guatemala, Costa Rica, Panama.
- PECTINATA Hendel, 1930b:131. Type-locality: Argentina, Lapango, Pilcomayo. Distr. — Uruguay, Paraguay, Argentina.
- PIGRA Cresson, 1933:65. Type-locality: "Ecuador". Distr. — Colombia, Ecuador.
- PLEURIVITTATA Cresson, 1916:122. Type-locality: Peru, Callanga. Distr. — Peru.
- PLUMBICEPS Cresson, 1916a:110. Type-locality: "Jamaica". Distr. — Ecuador, West Indies (Haiti, Dominican Republic, Jamaica, Puerto Rico).
- PUNCTICORNIS Cresson, 1916:121. Type-locality: Costa Rica, Peralta. Distr. — Honduras, Costa Rica, Panama, Colombia, Peru.
- SANA Cresson, 1929:185. Type-locality: Paraguay, San Bernardino. Distr. — Paraguay.
- SECUNDA Schiner, 1868:241. Type-locality: "Venezuela". Distr. — Mexico, Guatemala, Honduras, Costa Rica, Panama, Colombia, Venezuela, Guyana, Ecuador, Peru, Brazil, Paraguay.
- SERA Cresson, 1933:67. Type-locality: Jamaica, Yallahs Valley, Blue Mountains. Distr. — West Indies (Jamaica).
- STICTA Hendel, 1930b:127. Type-locality: Argentina, San José. Distr. — Argentina.
- TAURUS Cresson, 1916:123, pl. 9, fig. 6 (head). Type-locality: Brazil, Mato Grosso, Corumbá. Distr. — Brazil, Paraguay.
- TEXANA Cresson, 1915:69. Type-locality: U.S.A., Texas, Austin. Distr. — Mexico; U.S.A. (Kansas, Oklahoma, Missouri, Texas).



Subgenus PHAIOSTERNA Cresson

Paralimna, subg. PHAIOSTERNA Cresson, 1916a:104. Type-species, *Paralimna decipiens* Loew (orig. des.).

DECIPIENS Loew, 1878:195. Type-locality: U.S.A., "Texas". Distr. — Mexico to Colombia, Ecuador, Bolivia, Trinidad, West Indies (Cuba, Bahamas, Jamaica, Puerto Rico, Dominica); U.S.A. (California to Michigan and Florida). Ref. — Cresson, 1916:108, pl. 9, fig. 5 (head).

OBSCURA Williston, 1896:391. Type-locality: "St. Vincent". Distr. — Mexico, Costa Rica, Panama, Ecuador, Bolivia, Brazil, Paraguay, Argentina, Trinidad, West Indies (Cuba, Jamaica, Puerto Rico, Virgin Islands, Grenada), Bermuda; U.S.A. (southern Florida).

Genus OEDENOPS Becker

OEDENOPS Becker, 1903:178. Type-species, *isis* Becker (mon.).

NUDUS (Coquillett), 1902:182 (*Paralimna*). Type-locality: Mexico, Tabasco, Frontera. Distr. — Mexico, Honduras, Ecuador, West Indies (Dominica); U.S.A. (California to Mississippi).

Tribe PHILYGRIINI

Genus PHILYGRIA Stenhammar

Notiphila, sectio PHILYGRIA Stenhammar, 1844:154. Type-species, *Notiphila flavipes* Fallén (Coquillett, 1910:588).

Hydrina, authors, in part, not Robineau-Desvoidy.

LONGIPENNIS (Hendel), 1930b:143 (*Hyadina*). Type-locality: Argentina, Estanzia "La Germania". Distr. — Argentina, Chile.

intensa Cresson, 1931a:94 (*Hydrina*). Type-locality: Argentina, Rio Negro, Bariloche. N. SYN.

NITIFRONS (Williston), 1896:401 (*Hydrina*). Type-locality: "St. Vincent". Distr. — West Indies (St. Vincent).

nitidifrons Cresson, 1947:44, emend. or error.

Genus NOSTIMA Coquillett

NOSTIMA Coquillett, 1900a:35. Type-species, *slossonae* Coquillett (orig. des.).

Philygriola Hendel, 1917a:42. Type-species, *Notiphila picta* Fallén (orig. des.).

Ref. — Cresson, 1941a:1 (rev. Neotropical species; key).

ABBREVIATA Cresson, 1941a:3, fig. 3 (wing). Type-locality: Brazil, Guanabara, Rio de Janeiro, Grajaú. Distr. — Costa Rica, Panama, Colombia, Ecuador, Venezuela, Brazil.

CANENS Cresson, 1941a:5. Type-locality: Brazil, Guanabara, Rio de Janeiro, Grajaú. Distr. — Panama, Brazil.

ELEGANTULA Hendel, 1930b:141. Type-locality: Argentina, Aguarai. Distr. — El Salvador, Costa Rica, Argentina.

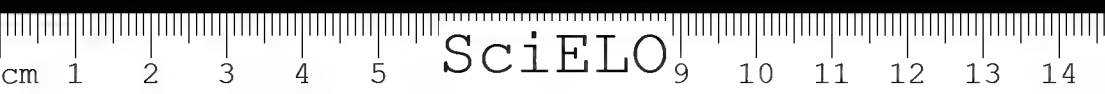
- FLAVIDA Cresson, 1947:43. Type-locality: Costa Rica, Higuito. Distr. — Costa Rica, Panama, West Indies (Dominica).
- GILVIPES (Coquillett), 1900b:261 (*Hydrellia*). Type-locality: Puerto Rico, Bayamon. Distr. — Mexico, Costa Rica, Panama, Colombia, Ecuador, West Indies (Puerto Rico); U.S.A. (Florida).
- immaculata* Cresson, 1918:49. Type-locality: Costa Rica, Río Surubres, Bonnefil Farm. Distr. — Costa Rica.
- GIOVANNOLI Wirth, 1956:15. Type-locality: Bahamas, Cat Island, McQueen. Distr. — West Indies (Bahamas).
- ILYTHEOIDES Cresson, 1941a:8, fig. 4 (wing). Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica.
- NITIDIGASTER Cresson, 1947:43. Type-locality: Peru, Iquitos. Distr. — Peru.
- NIVEVENOSA Cresson, 1930b:80. Type-locality: Puerto Rico, Aguadilla. Distr. — Mexico, Costa Rica, Panama, Colombia, Peru, Venezuela, Brazil, Argentina, West Indies (Bahamas, Puerto Rico, Antigua, Dominica); U.S.A. (Florida).
- NIVEOFASCIATA Cresson, 1947:40. Type-locality: Costa Rica, Higuito. Distr. — Costa Rica, Ecuador, Venezuela.
- PULCHRA (Williston), 1896:399, pl. 13, fig. 144 (wing) (*Hydrellia*). Type-locality: "St. Vincent". Distr. — Mexico, Costa Rica, Panama, Colombia, Brazil, Paraguay, Argentina, West Indies (Haiti, St. Vincent, Dominica); U.S.A. (Florida). Ref. — Cresson, 1941a:6, fig. 5 (wing).
- basalis* Cresson, 1914:246, pl. 10, fig. 1 (wing) (*Philygria*). Type-locality: Argentina, Tucumán.
- SCHILDI Cresson, 1941a:4. Type-locality: Costa Rica, La Suiza de Turrialba. Distr. — Costa Rica, Argentina.
- SLOSSONAE Coquillett, 1900a:35. Type-locality: U.S.A., Florida, Biscayne Bay. Distr. — Mexico, Guatemala, Costa Rica, Ecuador, Brazil, Argentina; U.S.A. (Florida). Ref. — Cresson, 1941a:5, figs. 1, 2 (head, wing).
- calverti* Cresson, 1914:247, pl. 10, fig. 2 (wing) (*Philygria*). Type-locality: Costa Rica, Alajuela.
- SPILOGASTER Cresson, 1947:41. Type-locality: Costa Rica, Higuito. Distr. — Costa Rica, Argentina.
- WILLISTONI Wirth, nom. nov. for *nitida* (Williston). Type-locality: "St. Vincent". Distr. — West Indies (St. Vincent, Dominica).
- nitida* Williston, 1896:400, pl. 13, fig. 145 (wing, head) (*Hydrina*; preocc. Robineau-Desvoidy, 1830). Type-locality: "St. Vincent". N. COMB.

Tribe ILYTHEINI

Ref. — Cresson, 1943:1 (world rev., keys, figs.).

Genus ILYTHEA Haliday

- Ephydra*, subg. ILYTHEA Haliday, 1839:408. Type-species, *Ephydra spilota* Curtis (mon.).
- CANICEPS Cresson, 1918:50. Type-locality: Costa Rica, Cartago. Distr. — Costa Rica; U.S.A. (Washington to California).



- CRESSONI Edwards, 1933:118. Type-locality: Chile, Mechuque Island. Distr. — Chile, Argentina.
- FUSCA Cresson, 1931a:99, fig. 21a (wing). Type-locality: Chile, Peulla. Distr. — Chile.
- NIVEOGUTTATA Cresson, 1931a:99, fig. 21b (wing). Type-locality: Chile, Puerto Varas. Distr. — Chile.

Genus ZEROS Cresson

- ZEROS Cresson, 1943:10. Type-species, *Ilythea obscura* Cresson (orig. des.).
- CALVERTI (Cresson), 1918:51, pl. 3, fig. 21 (wing, as *fenestralis*, error) (*Ilythea*). Type-locality: Costa Rica, Filadelfia, Río Tempisque. Distr. — Mexico, Costa Rica, Panama, Ecuador, West Indies (Puerto Rico); U.S.A. (Florida). Ref. — Cresson, 1943:11, pl. 1, fig. 4 (wing).
- FENESTRALIS (Cresson), 1918:51 (*Ilythea*). Type-locality: Costa Rica, Cartago. Distr. — El Salvador, Costa Rica, Panama, Ecuador, Brazil, Uruguay, Argentina, West Indies (Cuba, Puerto Rico); U.S.A. (Florida). Ref. — Cresson, 1943:49, pl. 1, fig. 6 (wing).
- argyrostoma* Hendel, 1930b:144 (*Ilythea*). Type-locality: Argentina, Lapango, Pilcomayo.
- FLAVIPES (Williston), 1896:403 (?*Ilythea*). Type-locality: "St. Vincent". Distr. — Mexico, Costa Rica, Panama, Colombia, Ecuador, Brazil, Bolivia, Argentina, West Indies (Cuba, Puerto Rico, Jamaica, St. Vincent); North America (Ontario south to Texas and Florida). Refs. — Cresson, 1918:51, pl. 3, figs. 19, 20 (head, wing); 1943:14, pl. 1, fig. 7 (wing).
- oscitans* Walker of Coquillett, 1900b:260 (*Ilythea*), erroneous Puerto Rico record.
- OBSCURUS (Cresson), 1918:52 (*Ilythea*). Type-locality: Costa Rica, Filadelfia, Río Tempisque. Distr. — Guatemala, Costa Rica, West Indies (Puerto Rico); U.S.A. (Arizona, New Mexico).

Subfamily PARYDRINAE

Tribe HYADININI

Genus HYADINA Haliday

- Hydrina* Robineau-Desvoidy, 1830:794 (preocc. Rafinesque, 1815). Type-species, *vernalis* Robineau-Desvoidy (Coquillett, 1910:553) = *guttata* (Fallén). Cresson (1930a:93) attempted to set aside Coquillett's type designation as invalid (but without proper reason), substituting *maculipennis* Robineau-Desvoidy as type.
- Ephydra*, subg. HYADINA Haliday, 1839:406. Type-species, *Notiphila guttata* Fallén (Westwood, 1840-1853).
- CERTA Cresson, 1931a:101. Type-locality: Chile, Castro. Distr. — Chile, Argentina, Juan Fernandez Islands.
- IMMACULATA Becker, 1919:204. Type-locality: Ecuador, Cuenca, Borma, Casitagua, El Angel, Mirador and Loja. Distr. — Ecuador.

PORTERI Brèthes, 1919:43. Type-locality: Chile, Río Blanco, Santiago. Distr. — Chile.

Genus LYTOGASTER Becker

LYTOGASTER Becker, 1896:202. Type-species, *Philygria abdominalis* Stenhammar (orig. des.).

ANGUSTATA Cresson, 1934:206. Type-locality: Cuba, Pinar del Río. Distr. — West Indies (Cuba, Bahamas).

FLAVIPES (Sturtevant & Wheeler), 1954:212 (*Hyadina*). Type-locality: U.S.A., California, Pasadena. Distr. — Mexico (Baja California); U.S.A. (California).

GRANULOSA Cresson, 1914:249. Type-locality: Costa Rica, Guapiles. Distr. — Guatemala, Costa Rica, Panama, Ecuador, Venezuela, West Indies (Dominica).

PALLIPES Cresson, 1914:248. Type-locality: Costa Rica, Cachi. Distr. — Costa Rica, Ecuador, West Indies (Dominican Republic).

WILLISTONI Cresson, 1916b:150. Type-locality: U.S.A., California, Berkeley Hills. Distr. — Costa Rica; U.S.A. (California). Ref. — Cresson, 1918:62, pl. 3, fig. 18 (body profile).

Genus PELINOIDES Cresson

PELINOIDES Cresson, 1931a:102. Type-species, *sulcatus* Cresson (orig. des.).

SULCATUS Cresson, 1931a:102. Type-locality: Chile, Castro. Distr. — Chile.

UNCTUS Cresson, 1934:210. Type-locality: Uruguay, Montevideo. Distr. — Uruguay.

Genus GASTROPS Williston

GASTROPS Williston, 1897:3. Type-species, *niger* Williston (mon.).

Refs. — Wirth, 1958:247 (rev.). Biology — Bokermann (1957:231) reported that larvae of *Gastrops niger* parasitized the egg clusters of a frog, *Eupemphix*, in Brazil. Wirth (1958:249) determined specimens taken in 1943 by Bertha Lutz "parasitas de postura de batráquio do gênero *Eupemphix*" as *Gastrops willistoni* Cresson.

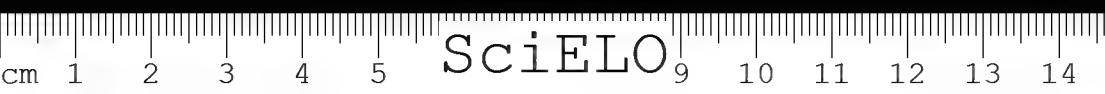
AUROPUNCTATUS Hendel, 1930b:145. Type-locality: Bolivia (Guarrayo, San José de Chiquitos, El Cairo near Santa Cruz de la Sierra, Villa Montes), Argentina (Aguarai). Distr. — Panama, Ecuador, Venezuela, Bolivia, Argentina.

FLAVIPES Wirth, 1958:248. Type-locality: Peru, Perené. Distr. — Peru, Brazil.

PUSCIVENOSUS Wirth, 1958:248. Type-locality: Costa Rica, Higuito, San Mateo. Distr. — Costa Rica.

NIGER Williston, 1897:3. Type-locality: "Grenada and Brazil (Rio de Janeiro)". Distr. — Mexico to Panama, Colombia, Ecuador, Venezuela, Bolivia, Brazil, Argentina, Trinidad, West Indies (Grenada, Dominica). Ref. — Cresson, 1918:6, pl. 3, fig. 10 (head).

WILLISTONI Cresson, 1914:250. Type-locality: Brazil, Mato Grosso, Chapada. Distr. — Costa Rica, Guyana, Brazil.



Genus BECKERIELLA Williston

BECKERIELLA Williston, 1897:2. Type-species, *Ephydra bispinosa* Thomson (mon.) = *bispinosa* (Fabricius).

Ref. — Cresson, 1934:205 (key).

BISPINOSA (Fabricius), 1805:210 (*Scatophaga*). Type-locality: "America meridionali". Distr. — Brazil, Ecuador. Ref. — Cresson, 1934:202, pl. 15, figs. 1-3 (head, wing, scutellum, as *bispinosa* Thomson).

bispinosa Thomson, 1869:593 (*Ephydra*; preocc. *bispinosa* Fabricius 1805). Type-locality: Brazil, Guanabara, Rio de Janeiro.

MAGNICORNIS Cresson, 1934:203, pl. 15, figs. 7-9 (head, wing, scutellum). Type-locality: Panama, Alhajuela, Canal Zone. Distr. — Costa Rica, Panama.

PENDICORNIS Cresson, 1934:205, pl. 15, figs. 10-11 (head, wing). Type-locality: "Costa Rica". Distr. — Nicaragua, Costa Rica, Panama, Venezuela.

SCHILDI Cresson, 1934:203, pl. 15, figs. 4-6 (head, wing, scutellum). Type-locality: Costa Rica, Higuito. Distr. — Costa Rica, Colombia, Venezuela.

Genus PHYSEMOPS Cresson

PHYSEMOPS Cresson, 1934:211. Type-species, *Psilephydra nemorosa* Cresson (orig. des.).

NEMOROSUS (Cresson), 1914:244, pl. 10, fig. 4 (head) (*Psilephydra*). Type-locality: Costa Rica, Juan Viñas. Distr. — Mexico, Honduras, El Salvador, Costa Rica, Panama, Ecuador, Brazil, West Indies (Dominica). Ref. — Cresson, 1918:64, pl. 3, fig. 26 (head).

Genus BRACHYDEUTERA Loew

BRACHYDEUTERA Loew, 1862:162. Type-species, *dimidiata* Loew (mon.) = *argentata* (Walker).

Ref. — Wirth, 1964:3 (rev., key, figs. male genitalia).

NEOTROPICA Wirth, 1964:8, fig. 12 (male genitalia). Type-locality: Mexico, La Gloria, Cardel, Vera Cruz. Distr. — Mexico, Guatemala, Costa Rica, Panama, Ecuador, Brazil, West Indies (Cuba, Bahamas, Jamaica, Puerto Rico); U.S.A. (North Carolina, Louisiana, Florida). Ref. — Cresson, 1918:67, pl. 3, fig. 24 (head).

argentata, authors, not Walker.

Genus OCH'THERA Latreille

OCH'THERA Latreille, 1802:462. Types-species, *Musca manicata* Fabricius (Latreille, 1810:444) = *mantis* (De Geer).

Ref. — Cresson, 1938:35 (key to Neotropical species).

BAIA Cresson, 1931b:169. Type-locality: Mexico, Baja California, Mulege. Distr. — Mexico, Guatemala, El Salvador, Panama; U.S.A. (California).

- CUPRILINEATA Wheeler, 1896:123 (April). Type-locality: "St. Vincent".
Distr. — Mexico, Honduras, Guatemala, Panama, Ecuador, Brazil,
Paraguay, Argentina, West Indies (St. Vincent); U.S.A. (California
to Texas).
cuprilineata Williston, 1896:402, pl. 13, fig. 148 (wing) (September).
Type-locality: "St. Vincent".
- HUMILIS Williston, 1897:6. Type-locality: Brazil, Rio de Janeiro. Distr.
— Guatemala, Costa Rica, Trinidad, Brazil. Ref. — Cresson,
1918:65, pl. 3, fig. 25 (fore leg).
- LAUTA Wheeler, 1896:121. Type-locality: U.S.A., Wisconsin, Milwaukee.
Distr. — Mexico, Guatemala; U.S.A. (Wisconsin to Texas).
- LORETA Cresson, 1931b:168. Type-locality Mexico, Baja California, Loreta.
Distr. — Mexico, West Indies (Cuba, Bahamas).
- MANTIS (De Geer), 1776:143 (*Musca*). Type-locality: "Europe". Distr. —
Guatemala; Europe and North America.
- PILOSA Cresson, 1926:255. Type-locality: U.S.A., New Mexico, Alamogordo.
Distr. — Guatemala, Panama, Peru; U.S.A. (Arizona, New Mexico).

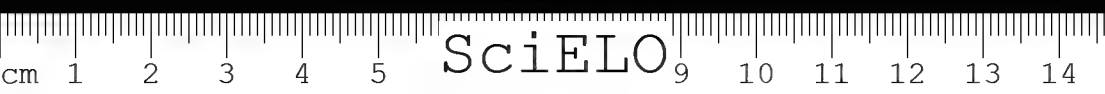
Genus STENOCHTHERA Hendel

- STENOCHTHERA Hendel, 1930b:131. Type-species, *augustifacies* Hendel (orig.
des.).
Ref. — Cresson, 1938:37 (key).
- AUGUSTIFACIES Hendel, 1930b:132. Type-locality: Bolivia, El Cairo and
Guarrayo, Santa Cruz de la Sierra. Distr. — Costa Rica, Panama,
Brazil, Paraguay, Bolivia.
- CAERULEOVITTATA Hendel, 1930b:133. Type-locality: Bolivia, San José, Chi-
quitos. Distr. — Brazil, Venezuela, Guyana, Paraguay, Bolivia,
Argentina, West Indies (Cuba).
- NIGRICOKA Cresson, 1938:37. Type-locality: Brazil, Rio de Janeiro, Angra
dos Reis, Jussaral. Distr. — Brazil.
- REGALIS (Williston), 1897:6 (*Ochthera*). Type-locality: Brazil, Rio de
Janeiro. Distr. — Honduras, Ecuador, Guyana, Brazil.
painteri Cresson, 1931b:169 (*Ochthera*). Type-locality: Honduras,
Puerto Castilla.
- TRIORNATA (Cresson), 1926:255 (*Ochthera*). Type-locality: Paraguay, San
Luis. Distr. — Brazil, Paraguay.
- WRIGHTII (Cresson), 1931b:169 (*Ochthera*). Type-locality: "Cuba". Distr. —
West Indies (Cuba, Puerto Rico).

Tribe PARYDRINI

Genus PARYDRA Stenhammar

- Napaea* Robineau-Desvoidy, 1830:799 (preocc. Hübner, 1819). Type-species,
stagnicola Robineau-Desvoidy (Westwood, 1840:153) = *coarctata*
(Fallén).
- Ephydra*, sectio PARYDRA Stenhammar, 1844:144. Type-species, *aquila*
Fallén (Coquillett, 1910:585).



- AUREOLA Cresson, 1931a:103. Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina, Chile.
- CILIGENA (Rondani), 1868:32 (*Ephydra*). Type-locality: "Argentina". Distr. — Argentina.
- FLAVIPES (Hendel), 1930b:147 (*Napaea*). Type-locality: Argentina, Sierra de Córdoba and San José. Distr. — Argentina.
- HUMILIS Williston, 1897:7. Type-locality: Brazil, Rio de Janeiro. Distr. — Costa Rica, Panama, Ecuador, Brazil, Paraguay, Uruguay, Argentina, West Indies (Cuba, Dominica).
- humeralis* Cresson, 1931a:104, error.
- fossarum* (Haliday), of authors.
- NIGRIPES (Cresson), 1918:62, pl. 3, fig. 17 (head) (*Napaea*). Type-locality: Costa Rica, Cartago. Distr. — Costa Rica.
- OCHROPUS (Thomson), 1869:592 (*Ephydra*). Type-locality: Uruguay, Montevideo. Distr. — Uruguay.

Tribe LIPOCHAETINI
Genus LIPOCHAETA Coquillett

- LIPOCHAETA Coquillett, 1896:220. Type-species, *slossonae* Coquillett (orig. des.).
- SLOSSONAE Coquillett, 1896:220 (fig. head). Type-locality: U.S.A., Florida, Punta Gorda. Distr. — Mexico (Baja California), Panama, West Indies (Bahamas); U.S.A. (California to Oklahoma and Massachusetts, south to Florida).

Subfamily EPHYDRINAE
Tribe EPHYDRINI
Genus EPHYDRA Fallén

- EPHYDRA Fallén, 1810:22. Type-species, *riparia* Fallén (Curtis, 1832: pl. 413).
- Refs. — Aldrich, 1912:77 (biology, figs. of immature stages); Rooth (1965:36) gives evidence that larvae of *Ephydra cinerea* Jones are the principal food of the flamingos nesting on Bonaire Island in the Netherlands Antilles.
- CINEREA Jones, 1906:159. Type-locality: "Southern California". Distr. — Mexico, West Indies (Bahamas, Virgin Islands, Puerto Rico, Virgin Gorda, Bonaire); U.S.A. (Hawaii, California to Utah and Texas).
- gracilis* Packard, 1871:105. Type-locality: U.S.A., Utah, Great Salt Lake. Following Sturtevant & Wheeler, 1954:168, *gracilis* Packard which was described from the larva, is considered unrecognizable. Refs. — Aldrich, 1912:78; Rooth, 1956:3; Wolcott, 1951; Wolcott & Martorell, 1937:536.
- MEXICANA Cresson, 1934:214. Type-locality: "Mexico". Distr. — Mexico.



Genus DIMECOENIA Cresson

- DIMECOENIA Cresson, 1916b:152. Type-species, *Coenia spinosa* Loew (orig. des.).
- Ref. — Cresson, 1935:349 (key); Oliveira, 1954a:187 (discussion and figures).
- ABRUPTA Cresson, 1935:352. Type-locality: Argentina, Mendoza. Distr. — Argentina.
- CAESIA (Wulp), 1883:58 (*Ephydra*). Type-locality: "Argentina". Distr. — Uruguay, Argentina, Chile, Juan Fernandez Islands. Ref. — Hennig, 1943:119, figs. 1, 2, 7, 9, pl. 2, fig. 4 (larva).
- pravoneura* Hendel, 1930b:150 (*Ephydra*). Type-locality: Argentina, Sierra de Córdoba.
- CARRERA Oliveira, 1957:305, figs. 1-8 (wing, male and female genitalia). Type-locality: Brazil, São Paulo, Guarujá. Distr. — Brazil.
- CHILENSIS (Macquart), 1850:303, pl. 28, fig. 5 (head) (*Ephydra*). Type-locality: "Chile". Distr. — Chile. Ref. — Cresson, 1935:350 (redescri.).
- COLTAENSIS Cresson, 1935:353. Type-locality: Ecuador, Colta. Distr. — Ecuador.
- DENSEPILOSA (Hendel), 1930b:152 (*Ephydra*). Type-locality: Argentina, Tapikiolé. Distr. — Argentina.
- GILVIPES (Coquillett), 1901:377 (*Ephydra*). Type-locality: Galápagos Islands, Albemarle Island. Distr. — Galápagos Islands.
- GRUMANNI Oliveira, 1954b:272, figs. 6-10 (wing, male and female genitalia). Type-locality: Brazil, Rio Grande do Sul, Tôrres. Distr. — Brazil. Ref. — Oliveira, 1958:167, figs. 1-4 (larva).
- LENTI Oliveira, 1954a:188, figs. 1-19 (wing, genitalia, larva). Type-locality: Chile, Antofagasta, El Tatío, San Pedro de Atacama. Distr. — Chile.
- LOPESI Oliveira, 1954b:269, figs. 1-5 (wing, genitalia). Type-locality: Brazil, Guanabara, Rio de Janeiro, Recreio dos Bandeirantes. Distr. — Brazil.
- PRIONOPTERA (Thomson), 1869:590 (*Ephydra*). Type-locality: Argentina, Patagonia. Distr. — Argentina, Chile.
- densa* Cresson, 1931a:105. Type-locality: Chile, Castro.
- VENTELI Oliveira, 1954b:276, fig. 11 (wing). Type-locality: Brazil, Mato Grosso, Bodoquena. Distr. — Brazil.
- ZURCHERI Hendel, 1933b:223. Type-locality: Paraguay, Santa Trinidad. Distr. — Paraguay. Ref. — Hennig, 1943:121, fig. 8 (larva).

Genus EPHYDRELLA Tonnoir & Malloch

- Ephydra*, subg. EPHYDRELLA Tonnoir & Malloch, 1926:6. Type-species, *Ephydra novaezealandiae* Tonnoir & Malloch (orig. des.).
- FREITAS Oliveira, 1954c:292, figs. 1-6 (wing, female genitalia). Type-locality: Brazil, Mato Grosso, Bodoquena.



Genus HYDROPYRUS Cresson

HYDROPYRUS Cresson, 1934:216. Type-species, *Ephydra hians* Say (orig. des.).

HIANS (Say), 1830:188 (*Ephydra*). Type-locality: "Mexico". Distr. — Mexico; North America (British Colombia to Minnesota, South to California and Oklahoma).

crassimana Loew, 1866:182 (Cent. 6, no. 88) (*Ephydra*). Type-locality: "Mexico".

Genus SETACERA Cresson

SETACERA Cresson, 1930a:116. Type-species, *Ephydra pacifica* Cresson (orig. des.).

PILICORNIS (Coquillett), 1902:184 (*Ephydra*). Type-locality: U.S.A., Florida, Distr. — Mexico (Tabasco); U.S.A. (Florida).

knabi Cresson, 1935:346. Type-locality: U.S.A., Florida, Miami.

Genus DAGUS Cresson

DAGUS Cresson, 1935:345. Type-species, *Ephydra rostrata* Cresson (orig. des.).

ROSTRATA (Cresson), 1918:66, pl. 3, fig. 27 (head) (*Ephydra*; nom. nov. for *Ephydra pygmaea* Williston). Type-locality: "St. Vincent". Distr. — Mexico, Costa Rica, Brazil, West Indies (Jamaica, Dominica).

pygmaea Williston, 1896:402, pl. XIII, fig. 147 (wing, head) (*Ephydra*; preocc. Haliday, 1833). Type-locality: St. Vincent, Perseverance Valley.

Genus TEICHOMYZA Macquart

TEICHOMYZA Macquart, 1835:534. Type-species, *fusca* Macquart (mon.).

FUSCA Macquart, 1835:535. Type-locality: "France". Distr. — Peru, Chile; Europe. Note: Probably introduced by ship from Europe; series in the U. S. National Museum with note "at light on shipboard"; frequently found in outdoor urinals and excrement.

Tribe SCATELLINI

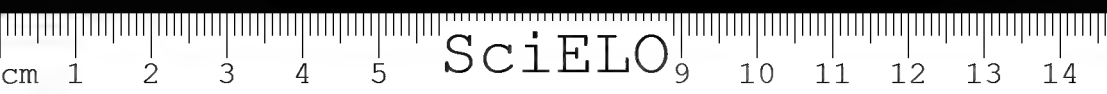
Genus SCATELLA Robineau-Desvoidy

SCATELLA Robineau-Desvoidy, 1830:801. Type-species, *buccata* Robineau-Desvoidy (Coquillett, 1910:603; Becker's 1896:224 des. of *stagnalis* invalid, not originally included) = *stagnalis* (Fallén).

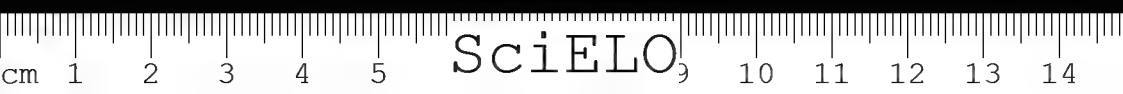
ANGUSTIPENNIS Wirth, 1955:67. Type-locality: Juan Fernandez Islands, Masafuera, Innocentes Bajos. Distr. — Juan Fernandez Islands.

APICALIS Wirth, 1957:406, fig. 1 (wing). Type-locality: Juan Fernandez Islands, Masatierra, Pirámide. Distr. — Juan Fernandez Islands.

ARGENTEA Hendel, 1930b:154. Type-locality: Argentina, Sierra de Córdoba. Distr. — Argentina.



- ARGENTIFACIES** Wirth, 1955:64, fig. 12 (wing). Type-locality: Juan Fernandez Islands, Masatierra, Cerro Alto. Distr. — Juan Fernandez Islands.
- BRACHYPTERA** Wirth, 1955:68, fig. 9, 20 (wing, male genitalia). Type-locality: Juan Fernandez Islands, Masatierra, El Yunque. Distr. — Juan Fernandez Islands.
- BRUNNEA** Wirth, 1957:407, fig. 2 (wing). Type-locality: Juan Fernandez Islands, Masatierra, Alto Pangal. Distr. — Juan Fernandez Islands.
- CAUTA** Cresson, 1931a:110. Type-locality: Chile, Castro. Distr. — Chile, Argentina.
- DECEMGUTTATA** Wirth, 1955:65, figs. 11, 16 (wing, male genitalia). Type-locality: Juan Fernandez Islands, Masafuera, La Correspondencia. Distr. — Juan Fernandez Islands.
- DISCALIS** Wirth, 1955:61, fig. 5 (wing). Type-locality: Juan Fernandez Islands, Masatierra, El Yunque. Distr. — Juan Fernandez Islands.
- EDWARDSI** Cresson, 1931a:111, fig. 21f (wing). Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina.
- FAVILLACEA** Loew, 1862:170. Type-locality: U.S.A., "Middle States". Distr. — Costa Rica, Ecuador; North America (Saskatchewan to Quebec, south to Texas and Florida).
- nitidifrons*** Cresson, 1918:67, pl. 3, fig. 23 (wing). Type-locality: Costa Rica, Cartago.
- FERNANDEZENSIS** Wirth, 1955:60, figs. 3, 14 (wing, male genitalia). Type-locality: Juan Fernandez Islands, Masatierra, Salsipuedes. Distr. — Juan Fernandez Islands.
- FUSCIVENOSA** Wirth, 1957:407, fig. 3 (wing). Type-locality: Juan Fernandez Islands, Masatierra, Corrales de Molina.
- GALAPAGENSIS** Curran, 1934b:161. Type-locality: Galápagos Islands, Chatham Island. Distr. — Galápagos Islands.
- GUTTIPENNIS** (Bigot), 1888:36, pl. 4, fig. 3 (habitus) (*Palloptera*). Type-locality: Argentina, Tierra del Fuego, Orange Bay. Distr. — Argentina.
- KUSCHELI** Wirth, 1955:61, figs. 4, 17 (wing, male genitalia). Type-locality: Juan Fernandez Islands, Masafuera, Quebrada de las Casas. Distr. — Juan Fernandez Islands.
- LUTEA** Wirth, 1955:59, figs. 2, 18 (wing, male genitalia). Type-locality: Juan Fernandez Islands, Masatierra, Salsipuedes. Distr. — Juan Fernandez Islands.
- MARGINALIS** Wirth, 1955:61, figs. 1, 15 (wing, male genitalia). Type-locality: Juan Fernandez Islands, Masatierra, Miradero de Selkirk. Distr. — Juan Fernandez Islands.
- MASATIERRENSIS** Wirth, 1955:64, figs. 13, 21 (wing, male genitalia). Type-locality: Juan Fernandez Islands, Masatierra, Alto Inglés. Distr. — Juan Fernandez Islands.
- MINIMA** Wirth, 1955:68, fig. 8 (wing). Type-locality: Juan Fernandez Islands, Masatierra, Pie del Yunque. Distr. — Juan Fernandez Islands.
- NANOPTERA** Wirth, 1955:67, fig. 10 (wing). Type-locality: Juan Fernandez Islands, Masatierra, Plazoleta del Yunque. Distr. — Juan Fernandez Islands.



- NOTABILIS Cresson, 1934:218. Type-locality: Argentina, Buenos Aires. Distr. — Argentina.
- OBSCURA Williston, 1896:403. Type-locality: "St. Vincent". Distr. — El Salvador, Costa Rica, Panama, Ecuador, Brazil, Paraguay, Chile, West Indies (Bahamas, Puerto Rico, Dominica); U.S.A. (Florida). Ref. — Cresson, 1935:365 (notes).
- laetifica* Cresson, 1934:217. Type-locality: Argentina, Buenos Aires.
- stagnalis* Fallén of authors, Neotropical records. Ref. — Cresson, 1918:66, pl. 3, fig. 22 (wing).
- OBSCURELLA Hendel, 1930b:154. Type-locality: Argentina, Aguarai. Distr. — Argentina, Chile.
- PALLIDA Wirth, 1955:60. Type-locality: Juan Fernandez Islands, Masatierra, Plazoleta del Yunque. Distr. — Juan Fernandez Islands.
- PALUDUM (Meigen), 1830:118 (*Ephydra*). Type-locality: "Europe". Distr. — Mexico, Europe, North America, Africa.
- PILIMANA Wirth, 1955:62, figs. 6, 19 (wing, male genitalia). Type-locality: Juan Fernandez Islands, Masafuera, Inocentes Altos. Distr. — Juan Fernandez Islands.
- PULLA Cresson, 1931a:109. Type-locality: Chile, Castro. Distr. — Chile.
- SANCTIPauli Schiner, 1868:243. Type-locality: St. Paul Island. Distr. — St. Paul Island.
- SKOTTSSBERGI Wirth, 1957:408, fig. 4 (wing). Type-locality: Juan Fernandez Islands, Masafuera, Quebrada de las Casas. Distr. — Juan Fernandez Islands.
- STENOPTERA Wirth, 1955:66. Type-locality: Juan Fernandez Islands, Masatierra, Plazoleta del Yunque. Distr. — Juan Fernandez Islands.
- VITTATA Wirth, 1955:65. Type-locality: Juan Fernandez Islands, Masatierra, Cerro Alto. Distr. — Juan Fernandez Islands.
- VULGATA Cresson, 1931a:108, fig. 21e (wing). Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina, Chile.

Genus NEOSCATELLA Malloch

- NEOSCATELLA Malloch, 1933:9. Type-species, *atra* Malloch (orig. des.).
- FURENS (Cresson), 1931a:114 (*Scatella*). Type-locality: Chile, Ancud. Distr. — Chile.
- GESTIENS (Cresson), 1931a:111 (*Scatella*). Type-locality: Chile, Ancud. Distr. — Chile.
- GREGARIA (Cresson), 1931a:113, fig. 21g (wing). Type-locality: Argentina, Maquinchao. Distr. — Argentina, Chile.
- IGNARA (Cresson), 1931a:112 (*Scatella*). Type-locality: Chile, Castro. Distr. — Chile, Argentina.

Genus PARASCATELLA Cresson

- PARASCATELLA Cresson, 1935:357. Type-species, *Scatella pilifera* Cresson (orig. des.).
- PILIFERA (Cresson), 1931a:114 (*Scatella*). Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina, Chile.

Genus LAMPROSCATELLA Hendel

LAMPROSCATELLA Hendel, 1917:42. Type-species, *Ephydra sibilans* Haliday (orig. des.).

SIBILANS Haliday of Becker, 1919:204. Ecuador. Doubtful Record.

Genus LIMNELLIA Malloch

LIMNELLIA Malloch, 1925:331. Type-species, *maculipennis* Malloch (orig. des.).

Eustigoptera Cresson, 1930a:126. Type-species, *Notiphila quadrata* Fallén (orig. des.).

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QUADRATA (Fallén), 1813:255 (*Notiphila*). Type-locality: "Sweden". Distr. — Mexico, Ecuador, Brazil, West Indies (Puerto Rico), Europe, North America.

stenhammari Zetterstedt of Becker, 1919:204. Ecuador.

Genus SYNHOPILOS Lamb

SYNHOPILOS Lamb, 1917:390. Type-species, *sturdeeianus* Lamb (present designation).

NEGLECTUS Lamb, 1917:393. Type-locality: "Falkland Islands". Distr. — Falkland Islands.

STURDEEIANUS Lamb, 1917:390, figs. 2, 3 (head, body). Type-locality: "Falkland Islands". Distr. — Falkland Islands.

Genus SCATOPHILA Becker

SCATOPHILA Becker, 1896:237. Type-species, *Ephydra caviceps* Stenhammar (orig. des.).

AVIDA Cresson, 1931a:107. Type-locality: Argentina, Viedma. Distr. — Argentina, Uruguay.

CURTIPENNIS Becker, 1905:192. Type-locality: Argentina, Tierra del Fuego, Golfe Saint-Jean, Staten Island. Distr. — Argentina. Position doubtful.

DESPECTA (Haliday), 1839:409 (*Ephydra*). Type-locality: "Europe". Distr. — Mexico, Costa Rica; Europe, North America.

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MEDIFEMUR Wirth, 1955:68, fig. 7 (wing). Type-locality: Chile, Coquimbo, Incahuasi. Distr. — Chile, Juan Fernandez Islands.

PARVA Cresson, 1935:367. Type-locality: Argentina, Buenos Aires. Distr. — Argentina.

- SICCA Cresson, 1931a:107, fig. 21d (wing). Type-locality: Argentina, Maquinchao. Distr. — Argentina.
- TESCOLA Cresson, 1931a:106, fig. 21c (wing). Type-locality: Argentina, Maquinchao. Distr. — Argentina, Chile.

UNPLACED EPHYDRIDAE

- THOMAE Wiedemann, 1830:593 (*Ephydra*). Type-locality: "St. Thomas". Distr. — West Indies (St. Thomas). Sabrosky (in litt.) examined the type which is possibly a *Paralimna* sp.

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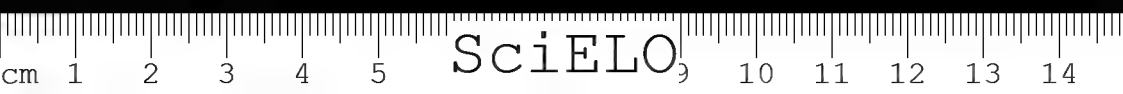
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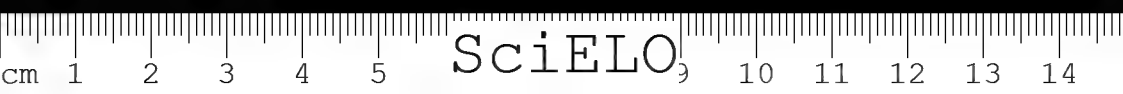


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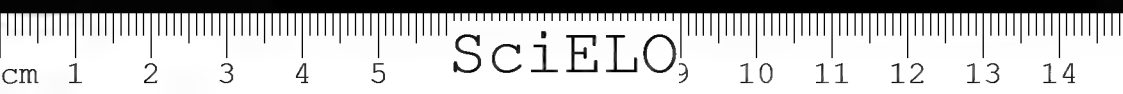
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A CATALOGUE OF THE DIPTERA OF THE AMERICAS SOUTH
OF THE UNITED STATES

78

FAMILY CURTONOTIDAE

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A small family of small, grayish to brownish, hump-backed, robust flies, the curtonotids have often been placed in the Drosophilidae or Diastatidae. Enderlein (1914 : 366; 1917 : 67) proposed *Cyrtonotinae* as a subfamily of Ephydriidae. Hendel (1917 : 43) made them a subfamily of Drosophilidae, followed by Malloch (1930 : 323) and Hendel (1932 : 133). Duda (1924 : 177) and Okada (1960 : 165; 1966 : 11) placed them in the Diastatidae. Following Duda (1934 : 1), Hennig (1958 : 671), and Delfinado (1969 : 199) they are given family status.

The breeding habits have only recently been discovered. Greathead (1958 : 36) found the larvae of *Curtonotum cuthbertsoni* Duda feeding as scavengers in egg beds of the desert locust (*Schistocerca*) in Eritrea. Cuthbertson (1936 : 46) reared *Cyrtona albomacula* (Curran) from human feces in Southern Rhodesia. The breeding habits of the American species are unknown, and the taxonomy of the group has been very much neglected.

Genus CURTONOTUM Macquart

CURTONOTUM Macquart, 1843:350. Type-species, *Musca gibba* Fabricius (mon.).

Cyrtonotum, emend.

Diplocentra Loew, 1862:13 (unjustified nom. nov. for *Curtonotum* Macquart). Type-species, *Musca gibba* Fabricius (aut.).

Refs. — Hendel, 1913:618 (revision, key to Neotropical species); Sturtevant, 1921:52 (diagnosis; discussion of classification); Hendel, 1933:79 (generic characters); Curran, 1934:440 (key to species occurring, in Guyana).

APICALE Hendel, 1913:621. Type-locality: Peru, mouth of Pachitea R. Distr. — Peru.

BATHMEDIUM Hendel, 1913:628, fig. 3 (wing). Type-locality: Peru (syntypes): mouth of Pachitea R., Pichis (Puerto Bermúdez), Ucayali R. Distr. — Bolivia, Peru.

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bathymedum, error; Malloch, 1930:325.

- CORIACEUM Hendel, 1932:133. Type-locality: Bolivia, Pilcomayo. Distr. — Bolivia.
- DECUMANUM Bezzi, 1914:199. Type-locality: Paraguay, Alto Paraná, Puerto Bertoni. Distr. — Paraguay.
- FUMIPENNE Hendel, 1913:626. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- GIBBUM (Fabricius), 1805:297 (*Musca*). Type-locality: "America Meridionali". Distr. — Brazil, Bolivia, Surinam. Refs. — Hendel, 1913:624 (descriptive notes); Enderlein, 1917:69 (notes); Malloch, 1930:326 (notes; synonym — *taeniatum* Hendel); Hendel, 1933:77 (notes on synonymy).
- HENDELI Malloch, 1930:325. Type-locality: "Brazil". Distr. — Brazil. Ref. — Curran, 1934:441 (redescribed; Guyana). Note. — Proposed by Malloch as a new name; this is a new species proposed by Malloch for *gibbum* of Hendel, not Fabricius; type-locality is that of the Wiedemann (1830:586) specimens discussed by Hendel, 1913:624, as *gibbum*.
- HENDELIANUM (Enderlein), 1917:71 (*Diplocentra*). Type-locality: "Surinam". Distr. — Surinam.
- IMPUNCTATUM Hendel, 1913:625. Type-locality: Peru, mouth of Pachitea R. Distr. — Peru.
- IMPUNCTATUM Hendel, 1932:134 (preocc. Hendel, 1913). Type-locality: Bolivia, Pilcomayo. Distr. — Bolivia. Needs new name.
- MAGNUM Malloch, 1930:326. Type-locality: Brazil, Rio de Janeiro, Serra do Itatiaia, Alto do Itatiaia. Distr. — Brazil (Rio de Janeiro).
- MURINUM Hendel, 1913:622. Type-locality: Peru (syntypes): Chanchamayo, Meshagua, Urubamba R. Distr. — Peru.
- NIGRIPALPE Hendel, 1936:90. Type-locality: Brazil, Pará, Belém. Distr. — Brazil (Pará).
- PANTHERINUM (Walker), 1849:1090 (*Helomyza*). Type-locality: "Brazil". Distr. — Brazil. Ref. — Hendel, 1913:623 (redescribed; *gibbum* of Wiedemann in part; distr.).
- PUNCTITHORAX Fischer, 1933:88, figs. 2-6 (head, proboscis, scutellum, wing). Type-locality: Brazil, São Paulo, Capital (Avenida Paulista). Distr. — Brazil.
- SALINUM Curran, 1934:440. Type-locality: Guyana, Kartabo. Distr. — Guyana. Ref. — Malloch, 1930:325 (synonym of *pantherinum*).
- SIMPLEX Schiner, 1868:237. Type-locality: "Brazil". Distr. — Brazil.
- TAENIATUM Hendel, 1913:629. Type-locality: Peru, Urubamba, R., Umu-huankiali. Distr. — Peru. Ref. — Malloch, 1930:325 (synonym of *gibbum*).
- TRYPETIPENNE Hendel, 1913:620, fig. 2 (wing). Type-locality: Peru (syntypes): Pichis, Puerto Bermúdez, Piñipini, Uacayali R., Unini,

Urubamba R. Distr. — Peru. Ref. — Enderlein, 1917:70, fig. 10 (wing) (redescribed; Peru).

TUMIDUM Enderlein, 1917:67. Type-locality (syntypes): Brazil, Pará; Ecuador, Archidona, Coca, and Napo; Surinam. Distr. — Brazil, Ecuador, Surinam. Ref. — Hendel, 1933:78 (notes).

VULPINUM Hendel, 1913:627. Type-locality: Peru, Pichis, Puerto Bermúdez. Distr. — Peru.

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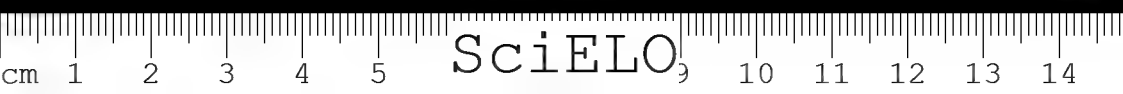
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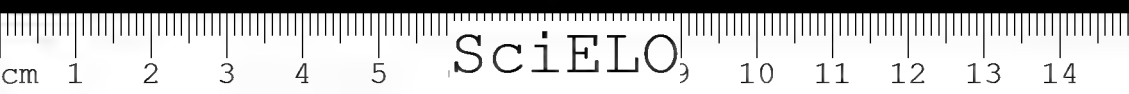
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A CATALOGUE OF THE DIPTERA OF THE AMERICAS
SOUTH OF THE UNITED STATES

79

FAMILY DROSOPHILIDAE

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The Drosophilidae is a large family of flies of world-wide distribution. About 175 species are known from the Nearctic region; several times this number are neotropical although a majority of them are as yet undescribed. About half of the known species belong to the very large genus *Drosophila*; these are found primarily around spoiled fruit, slime fluxes on tree trunks and roots, in rotting cacti and fungi, and in almost all of these situations the larvae feed on the various microorganisms which occur there. Several hundred species have been raised in the laboratory on artificial media simulating these natural diets (see Wheeler, 1967, for a survey of culture techniques) and therefore have been most useful in research in genetics and cytology.

Some *Scaptomyza* larvae are leaf miners; *Chymomyza* is usually associated with fresh sap from tree wounds; some *Clastopteromyia* larvae are ectoparasites on the nymphs of Cercopidae (Homoptera); as far as is known all *Pseudiasata* larvae are predacious on mealybugs; and *Myocodrosophila*, *Zygothrica*, *Paraliodrosophila*, *Paramycodrosophila*, the subgenus *Hirtodrosophila* of *Drosophila*, and some species of many other genera are associated with rotting fungi. Some species live in flowers, e.g., all species of *Zapriothrica* and *Laccodrosophila*, the subgenus *Phloridosa* of *Drosophila*, and the *flavopilosa* complex of *Drosophila*. Two remarkable species (*Drosophila carcinophila* and *Drosophila endobranchia*) are parasites — or perhaps only commensals — on certain land crabs. It is apparent from the above summary that the food habits in this family are highly diverse. None-the-less, the food habits are still undiscovered for a majority of the species.

General references: Patterson & Stone, 1952 (genetics, evolution); Wheeler, 1959a (nomenclature); Throckmorton, 1962 (phylogeny); Heed, 1956, 1957, Pipkin, 1965, Pipkin *et al.*, 1966 (ecology); Wheeler, 1967 (culture methods); Patterson & Wagner, 1943, Patterson & Wheeler, 1949, Cova-García & Suárez, 1962 (distribution); Okada, 1968 (immature stages); McAlpine, 1968 (Subfamily Steganinae). Recent research involving this family is usually reported in the *Drosophila Information Service* (generally known as *DIS*); this is distributed annually to the major *Drosophila* genetics laboratories of the world and is a valuable source of research notes and culture listings. Further information may be obtained

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from the Department of Biology, University of Oregon, Eugene, Oregon, U.S.A..

Subfamily STEGANINAE

Genus AMIOTA Loew

AMIOTA Loew, 1862:229 (Cent. 2, no. 93). Type-species, *Ieucostoma* Loew (Coquillett, 1910:505).

Subgenus AMIOTA Loew

BARRETTI (Johnson), 1921:59 (*Stegana*). Type-locality: Mexico, Amecameca. Distr. — Mexico (Amecameca). Ref. — Wheeler, 1952:172.

MINOR (Malloch), 1921:312 (*Phortica*). Type-locality: U.S.A., Illinois, Dubois. Distr. — North America (Maine to Wash. to Texas and Arizona); Mexico (Vera Cruz, Puente Nacional). Ref. — Patterson & Mailand, 1944:13.

STEGANOPTERA Malloch, 1926:31, pl. 2, fig. 18. Type-locality: Costa Rica, Higuito, San Mateo. Distr. — Uncertain, a species complex ranging from Florida to Brazil.

Subgenus PHORTICA Schiner

PHORTICA Schiner, 1862:433 (as genus). Type-species, *Drosophila variegata* Fallén (orig. des.).

ALBAVICTORIA Patterson & Mainland, 1944:13. Type-locality: Mexico, Hidalgo, Jacala. Distr. — Mexico (Hidalgo, Puebla), Panama (Chiriqui). Ref. — Wheeler, 1960a:90.

Subgenus SINOPHTHALMUS Coquillett

SINOPHTHALMUS Coquillett, 1904:190 (as genus). Type-species, *pictus* Coquillett (orig. des.).

PICTA (Coquillett), 1904:191 (*Sinophthalmus*). Type-locality: U.S.A., California, Claremont. Distr. — Western United States, Mexico (Zacatecas). Ref. — Wheeler, 1952:209.

ssp. GAGEI Patterson & Mainland, 1944:12, pl. XI. Type-locality: Mexico, Chihuahua, Santa Clara. Distr. — Mexico (Chihuahua).

POLYCHAETA Wheeler, 1968:436. Type-locality: Panama, Chiriqui, Boquete. Distr. — Panama (Chiriqui), Nicaragua (Santa Maria de Ostuma), El Salvador (Volcán Santa Ana).

Genus GITONA Meigen

GITONA Meigen, 1830:129. Type-species, *distigma* Meigen (mon.). Ref. — McAlpine, 1968.

AMERICANA Patterson, 1943:33. Type-locality: U.S.A., Texas, Austin. Distr. — Southern United States (Texas to California), Mexico (Morelos, Tamaulipas, Michoacán).



- BIVISUALIS** Patterson, 1943:35. Type-locality: U.S.A., Texas, Eddy. Distr. — Southern United States (Texas to Florida), Puerto Rico, Cuba, Jamaica, Grenada, St. Vincent, Mexico (Hidalgo, San Luis Potosí, Yucatán), El Salvador, ?Peru.
- BRASILIENSIS** Lima, 1950:251. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil, Galapágos Is. (Santa Cruz I.), Trinidad, Peru. Ref. — Wheeler, 1961:750.
- FLUMINENSIS** Lima, 1950:249. Type-locality: Brazil, Rio de Janeiro, Teresópolis. Distr. — Brazil (Rio de Janeiro).

Genus LEUCOPHENGHA Mik

- LEUCOPHENGHA** Mik, 1886:317. Type-species, *Drosophila maculata* Dufour (orig. des.).

Subgenus LEUCOPHENGHA Mik

- ACUTIPENNIS** Malloch, 1926:32. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica (San Mateo).
- ARGENTEIVENTRIS** Kahl, 1917:378. Type-locality: Bolivia, Province del Sara. Distr. — Bolivia, ?Costa Rica.
- ARGENTEOFASCIATA** Kahl, 1917:371. Type-locality: Brazil, Pará, Santarém. Distr. — Brazil.
- BIMACULATA** (Loew), 1865:183 (*Drosophila*). Type-locality: "Cuba". Distr. — Cuba, Mexico, ?Costa Rica.
- BRAZILENSIS** Malloch, 1924b:9. Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — Brazil.
- BRUNNEIPENNIS** Kahl, 1917:373. Type-locality: Bolivia, Las Juntas. Distr. — Bolivia.
- CHACO** Wheeler, 1968:441 (nom. nov. for *conjuncta* Duda). Type-locality: Argentina, Tapikiolé. Distr. — Argentina.
- conjuncta* Duda, 1929:47 (preocc. Malloch, 1924). Type-locality: Argentina, Tapikiolé.
- ELEGANS** Duda, 1927:77, fig. 22. Type-locality: "Peru, Vilcanota" and "Oaxaco". Distr. — Peru, Puerto Rico, Jamaica, Dominican Rep., Panama, El Salvador, Colombia, Bolivia, Venezuela.
- FRONTALIS** (Williston), 1896:413 (*Drosophila*). Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent, St. Kitts, Barbados, Grenada, Jamaica, Puerto Rico, Haiti), Costa Rica, Honduras, Nicaragua, El Salvador, Panama, Colombia, Venezuela, Ecuador, Brazil.
- HASEMANI** Kahl, 1917:375. Type-locality: Brazil, Espírito Santo. Distr. — Brazil.
- MACULOSA** (Coquillett), 1895:317 (*Drosophila*). Type-locality: U.S.A., Florida. Distr. — Widespread, from northern United States to Argentina and Chile, and in the West Indies.
- var. **FENESTRATA** Duda, 1927:82. Type-locality: "Peru". Distr. — Peru, Bolivia, Argentina.
- var. **SCHNUSEANA** Duda, 1927:83. Type-locality: "Peru", 3000 m. Distr. — Peru.

- NEOVARIA Wheeler, 1960a:89. Type-locality: Puerto Rico, Mayaguez. Distr. — Puerto Rico, Jamaica, U.S.A. (Florida), El Salvador, Nicaragua, Colombia.
- OBSCURIPENNIS (Loew), 1865:183 (*Drosophila*). Type-locality: "Cuba". Distr. — Cuba, Costa Rica, Brazil.
- var. BEZZII Duda, 1927:82. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- ORNATIVENTRIS Kahl, 1917:379. Type-locality: Bolivia, Province del Sara. Distr. — Bolivia.
- PALUDICOLA Patterson & Mainland, 1944:14. Type-locality: Mexico, Michoacán, Patzcuaro. Distr. — Mexico (Michoacán).
- TRIPUNCTIPENNIS Malloch, 1926:32, pl. 2, fig. 15. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- UNDULATA (Hendel), 1913b:386 (*Oxyleucophenga*). Type-locality: "Peru". Distr. — Peru, Bolivia.
- UNIFASCIVENTRIS Malloch, 1926:32. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- VARIA (Walker), 1849:1109 (*Drosophila*). Type-locality: U.S.A., Georgia. Distr. — U.S.A. (Mass. to Florida), Mexico (Oaxaca), ?Brazil.

Subgenus NEOLEUCOPHENGHA Oldenberg

- Paraleucophenga* Oldenberg, 1914:18 (preocc. Hendel, 1914). Type-species, *Leucophenga quinquemaculata* Strobl (orig. des.).
- NEOLEUCOPHENGHA Oldenberg, 1915:93 (as genus; nom. nov. for *Paraleucophenga* Oldenberg). Type-species, *Leucophenga quinquemaculata* Strobl (aut.).
- PULCHERRIMA Patterson & Mainland, 1944:14, pl. XI. Type-locality: Mexico, Hidalgo, La Placita. Distr. — U.S.A. (Arizona, new Mexico), Mexico (Hidalgo, Michoacan).

Genus MAYAGUEZA Wheeler

- MAYAGUEZA Wheeler, 1960b:210. Type-species, *argentifera* Wheeler (orig. des.).
- ARGENTIFERA Wheeler, 1960b:212. Type-locality: Puerto Rico, Mayaguez. Distr. — Puerto Rico.

Genus PSEUDIASTATA Coquillett

- PSEUDIASTATA Coquillett, 1908:148. Type-species, *nebulosa* Coquillett (orig. des.). Ref. — Sabrosky, 1951.

Subgenus PSEUDIASTATA Coquillett

- ARMATA Wheeler, 1957:111. Type-locality: Panama, Canal Zone, Fort Sherman. Distr. — Panama (Canal Zone).
- BRASILIENSIS Lima, 1937:179. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil. Ref. — Figueiredo, 1938; Gonçalves, 1939; Sabrosky, 1951.



- PSEUDOCOCCIVORA Sabrosky, 1951:624. Type-locality: Panama, Canal Zone. Distr. — Panama (Canal Zone), Mexico.
- VORAX Sabrosky, 1951:625. Type-locality: Trinidad, River Estate. Distr. — Trinidad.

Subgenus HYALISTATA Wheeler

- Pseudistata*, subg. HYALISTATA Wheeler, 1960d:67. Type-species, *pictiventris* Wheeler (orig. des.).
- FALLIDA Wheeler, 1960d:68. Type-locality: Trinidad, St. Augustine. Distr. — Trinidad.
- PICTIVENTRIS Wheeler, 1960d:68. Type-locality: Mexico, Morelos, Guernavaca. Distr. — U.S.A. (Florida), Mexico (Morelos).

Genus RHINOLEUCOPHENGHA Hendel

- RHINOLEUCOPHENGHA Hendel, 1917:44. Type-species, *pallida* Hendel (orig. des.). Ref. — Malogolowkin, 1946.
- ANGUSTIFRONS Malogolowkin, 1946:425. Type-locality: Brazil, Rio de Janeiro, Angra dos Reis, Jussaral. Distr. — Brazil.
- BEZZII Duda, 1927:43. Type-locality: Costa Rica, San José. Distr. — Costa Rica.
- BREVIPLUMATA Duda, 1927:46. Type-locality: Peru, Ucayali R. Distr. — Peru.
- LOPESI Malogolowkin, 1946:424. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- MATOGROSSENSIS Malogolowkin, 1946:420. Type-locality: Brazil, Mato Grosso, Salobra. Distr. — Brazil.
- NIGRESCENS Malogolowkin, 1946:421. Type-locality: Brazil, Mato Grosso, Salobra. Distr. — Brazil.
- OBESA (Loew), 1872:102 (Cent. 10, n°. 85) (*Drosophila*). Type-locality: U.S.A., Texas. Distr. — U.S.A. (central and southern states), ?Mexico, ?Brazil.
- FALLIDA Hendel, 1917:45. Type-locality: "Peru". Distr. — Peru, ?Brazil.
- PERSONATA Malogolowkin, 1946:422. Type-locality: Brazil, Mato Grosso, Salobra. Distr. — Brazil.
- FUNCTULATA Duda, 1929:43. Type-locality: Bolivia, "60 Km. nördl. San José de Chiquitos." Distr. — Bolivia.
- STIGMA Hendel, 1917:45. Type-locality: "Bolivia". Distr. — Bolivia.
- var. FLAVICEPS Duda, 1929:46. Type-locality: Bolivia, "60 Km. nördl. San José de Chiquitos." Distr. — Bolivia.
- SUBRADIATA Duda, 1929:45. Type-locality: Bolivia, San José de Chiquitos. Distr. — Bolivia.

Genus STEGANA Meigen

- STEGANA Meigen, 1830:79. Type-species, *nigra* Meigen (Zetterstedt, 1847:2577) = *furta* (Gmelin). Ref. — Malloch, 1924b.
- [The neotropical species of *Stegana*, *sensu lato*, are listed alphabetically below. A number of generic and subgeneric segregates have



been proposed but the assignment of the various species in them is highly confused, and is not being attempted at this time].

- ACUTANGULA (Hendel), 1913a:632 (*Orthostegana*). Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia, Peru, Colombia, Panama (Canal Zone), Nicaragua.
- AFFINIS Malloch, 1924a:7. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- ANTICA Curran, 1934:439. Type-locality: Guyana, Kartabo. Distr. — Guyana.
- ATRIFRONS Malloch, 1924a:5. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- ATRIMANA Malloch, 1924a:2. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- BRASILIENSIS (Duda), 1927:27 (*Protostegana*). Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — Brazil.
- BRUNNEA Malloch, 1924a:7. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- CONFORMIS Malloch, 1924a:8. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- CRISTIMANA Malloch, 1924b:8. Type-locality: Panama, Alhajuelo. Distr. — Panama.
- DORSOLINEATA Duda, 1925:159. Type-locality: "Costa Rica". Distr. — Costa Rica.
- FLAVIFRONS Malloch, 1924a:4. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- FLAVIMANA Malloch, 1924a:8. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- FUSCIBASIS Malloch, 1924a:8. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- HOBAE Williston, 1896:405. Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent).
- INTERMEDIA (Duda), 1927:30 (*Protostegana*). Type-locality: "Costa Rica". Distr. — Costa Rica.
- INTERRUPTA Malloch, 1924b:2. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- MAGNIFICA Hendel, 1913a:630. Type-locality: Peru, Urubamba R. Distr. — Peru.
- MINOR Duda, 1927:22. Type-locality: "Costa Rica". Distr. — Costa Rica.
- NIGRIMANA Malloch, 1924b:9. Type-locality: Panama, Alhajuelo. Distr. — Panama.
- NIGRITA Malloch, 1924a:1. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- NICROMARGINATA Duda, 1925:160. Type-locality: "Costa Rica". Distr. — Costa Rica.
- NORMA Curran, 1934:439. Type-locality: Guyana, Kartabo. Distr. — Guyana.
- PLANIFACIES Malloch, 1924a:4. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.



- PLATYPEZINA (Duda), 1927:29 (*Protostegana*). Type-locality: Bolivia, Mapiri. Distr. — Bolivia.
- SCHILDI Malloch, 1924a:5. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- TARSALIS Williston, 1896:404, pl. XIII. Type-locality: West Indies, St. Vincent). Distr. — West Indies (St. Vincent).
- TEMPIFERA Malloch, 1924a:3. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- TRISETA (Duda), 1925:160 (*Oxyphortica*). Type-locality: "Costa Rica". Distr. — Costa Rica.
- UNIFORMIS Malloch, 1924a:6. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- VARICOLOR (Duda), 1925:161 (*Protostegana*). Type-locality: "Costa Rica". Distr. — Costa Rica, Bolivia, Peru.
- var. NIGRA Duda, 1925:161 (*Protostegana*). Type-locality: "Costa Rica". Distr. — Costa Rica.

Genus TRACHYLEUCOPHENGHA Hendel

- TRACHYLEUCOPHENGHA Hendel, 1917:44. Type-species, *flavocostata* Hendel (orig. des.).
- FLAVOCOSTATA Hendel, 1917:44. Type-locality: Colombia, Aracataca. Distr. — Colombia.

Subfamily DROSOPHILINAE

Genus CHYMOMYZA Czerny

- CHYMOMYZA Czerny, 1903:199. Type-species, *Drosophila fuscimana* Zetterstedt (Sturtevant, 1921:61).
- AMOENA (Loew), 1862:230 (Cent. 2, n°. 96) (*Drosophila*). Type-locality: U.S.A., District of Columbia. Distr. — Canada south to Mexico.
- BICOLORIPES (Malloch), 1926:31 (*Drosophila*). Type-locality: Panama, Canal Zone, Las Cascadas (data from type; erroneously given as Higuito, Costa Rica by Malloch, *op. cit.*). Distr. — Costa Rica, Panama (Canal Zone), Colombia, Bolivia. Ref. — Carpenter, 1954 (mold transmission).
- LAEVILIMBATA Duda, 1927:65. Type-locality: Peru, Pichis, Puerto Bermúdez, mouth of Pachitea R., and Meshagua; Bolivia, Mapiri. Distr. — Haiti, Mexico, Honduras, Nicaragua, El Salvador, Panama, Colombia, Trinidad, Brazil, Ecuador, Peru, Bolivia.
- MACULIPENNIS Hendel, 1936:97. Type-locality: Brazil, Pará, Santarém, Faz. Taperinha. Distr. — Brazil.
- MESOPECTA Wheeler, 1968:435. Type-locality: Peru, Lima. Distr. — Peru, ?Brazil.
- MEXICANA Wheeler, 1949a:162. Type-locality: Mexico, Puebla, Peña de Gato. Distr. — Mexico, Nicaragua, El Salvador.
- PECTINIFEMUR Duda, 1927:66. Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — Brazil.



PROCNEMIS (Williston), 1896:412 (*Drosophila*). Type-locality: West Indies, St. Vincent. Distr. — U.S.A., Cuba, Barbados, St. Vincent, Mexico, Panama, Colombia, Brazil; Hawaii.

Genus CLADOCHAETA Coquillett

CLADOCHAETA Coquillett, 1900:263. Type-species, *nebulosa* Coquillett (orig. des.).

INFUMATA (Duda), 1925:179 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Panama.

NEBULOSA Coquillett, 1900:263. Type-locality: Puerto Rico, Arroyo. Distr. — Uncertain, a species complex ranging from West Indies to Mexico to Colombia.

Genus CLASTOPTEROMYIA Malloch

CLASTOPTEROMYIA Malloch, in Malloch & McAtee, 1924:31. Type-species, *Drosophila inversa* Walker (orig. des.).

Diathoneura Duda, 1924:180 (without species); 1925:172. Type-species, *taeniatipennis* Duda (Malloch, 1934:438).

Ref. — Frota-Pessoa, 1947. He showed that many species of *Diathoneura* belong in *Clastopteromyia*, but it is not certain that all species do. However, until better generic and subgeneric arrangements can be made, all known species will be lumped together here.

Subgenus CLASTOPTEROMYIA Malloch

ABERRANS Wheeler, 1957:107. Type-locality: Haiti, Kenscoff. Distr. — Haiti.

ADUMBRATA (Duda), 1925:178 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.

ALBIFACIES (Duda), 1925:181 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Nicaragua, Colombia.

ALBINOTA Wheeler, 1957:108. Type-locality: Panama, Cerro La Campana. Distr. — Panama (Canal Zone), Nicaragua, Honduras, Costa Rica, Colombia, Venezuela, Trinidad, Brazil.

ARMATA Frota-Pessoa, 1947:195. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil.

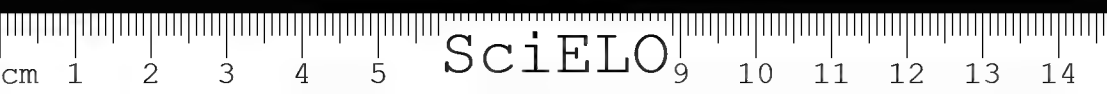
BICOLOR Frota-Pessoa, 1947:211. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil.

BOMPLANDI (Malloch), 1934:438 (*Diathoneura*). Type-locality: Argentina, Bompland. Distr. — El Salvador, Brazil, Argentina.

BORGMEIERI (Duda), 1927:92 (*Diathoneura*). Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — Brazil.

BRASILIENSIS (Duda), 1927:93 (*Diathoneura*). Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — Brazil.

CARRERAI Frota-Pessoa, 1947:200. Type-locality: Brazil, São Paulo, São Paulo, Cantareira. Distr. — Brazil.



- CAVALCANTI Frota-Pessoa, 1947:204. Type-locality: Brazil, Guanabara, Rio de Janeiro, Corcovado. Distr. — Brazil.
- CRUCIATA (Duda), 1925:177 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, El Salvador, Honduras.
- DUBIA (Sturtevant), 1921:73 (*Drosophila*). Type-locality: Cuba, Cristo. Distr. — Cuba, Costa Rica, El Salvador, Honduras.
- EURYOPA (Duda), 1925:179 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Jamaica, Costa Rica, Panama, Nicaragua.
- FLAVOLINEATA (Duda), 1927:97 (*Diathoneura*). Type-locality: Costa Rica, San José. Distr. — Costa Rica.
- GUTTIPENNIS (Duda), 1925:171 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Panama, ?Peru.
- IHERINGI Frota-Pessoa, 1947:206. Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — Brazil.
- INVERSA (Walker), 1861:331 (*Drosophila*). Type-locality: "U.S.A." Distr. Uncertain, a complex of species ranging from the United States to West Indies and south to Peru and Brazil.
- LATICEPS (Duda), 1925:175 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Panama.
- LONGIPENNIS Malloch, 1926:34. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica, El Salvador, Honduras, Panama (Canal Zone).
- LUPESI Frota-Pessoa, 1947:213. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- MACULIPENNIS Malloch, 1926:33. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- METALLICA (Sturtevant), 1921:73 (*Drosophila*). Type-locality: Cuba, Bartle. Distr. — Cuba.
- MINUTA (Duda), 1925:182 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Brazil.
- MONTEI Frota-Pessoa, 1947:210. Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — Brazil.
- NANA (Williston), 1896:416 (*Drosophila*). Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent), Panama.
- NIGRESCENS (Duda), 1925:184 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Panama, Nicaragua.
- NIGRIFRONS (Duda), 1925:184 (*Diathoneura*; as *nigrescens* var.). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Panama.
- NUBECULOSA (Duda), 1925:180 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Panama.
- OPACA (Williston), 1896:411 (*Drosophila*). Type-locality: West Indies, St. Vincent. Distr. — Puerto Rico, Jamaica, St. Vincent, ?Brazil.
- PARADOXA (Lamb), 1918:159 (*Drosophila*). Type-locality: Trinidad, St. Joseph. Distr. — Trinidad.
- PERUVIANA (Duda), 1927:96 (*Diathoneura*). Type-locality: Peru, Urubamba R. Distr. — Peru.



- PILIFRONS Frota-Pessoa, 1947:208. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- FLEUROLINEATA (Duda), 1925:183 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- PLUMATA (Duda), 1927:99 (*Diathoneura*). Type-locality: Bolivia, Mapiri, Sarampiuní. Distr. — Bolivia.
- QUADRIVITTATA (Duda), 1925:172 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- SPLENDIDA (Williston), 1896:412 (*Drosophila*). Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent), Costa Rica, Brazil.
- var. LUTEIPES Sturtevant, 1921:74 (in *Drosophila*). Type-locality: Cuba, Herradura. Distr. — Cuba.
- SUPERBA (Sturtevant), 1916:342 (*Drosophila*). Type-locality: Guatemala, Alta Vera Paz, Trece Aguas. Distr. — Guatemala, Honduras, El Salvador, Panama (Canal Zone), Colombia.
- TAENIATIPENNIS (Duda), 1925:172 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- TANYPTERA (Duda), 1925:170 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- TESSELLATA (Duda), 1925:174 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, ?Peru.
- TRAVASSOSI Frota-Pessoa, 1947:214. Type-locality: Brazil, Guanabara, Rio de Janeiro, Corcovado. Distr. — Brazil.
- TRISETA Malloch, 1924b:10. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica.
- UNIRADIATA (Duda), 1925:181 (*Diathoneura*). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.

Subgenus CALATILA Strand

- Macroptera* Duda, 1927:87 (preocc. Liroy, 1864). Type-species, *magnipennis* Duda (mon.).
- CALATILA Strand in Duda, 1927:87 (nom. nov. for *Macroptera* Duda). Type-species, *Diathoneura magnipennis* Duda (aut.).
- MAGNIPENNIS (Duda), 1927:100 (*Diathoneura*). Type-locality: Bolivia, Yungas. Distr. — Bolivia.

Genus DETTOPSOMYIA Lamb

- DETTOPSOMYIA Lamb, 1914:349. Type-species, *formosa* Lamb (orig. des.).
- FORMOSA Lamb, 1914:350. Type-locality: "Seychelles". Distr. — Honduras, El Salvador, numerous Pacific island groups, Seychelles.

Genus DROSOPHILA Fallén

- DROSOPHILA Fallén, 1823:4. Type-species, *Musca funebris* Fabricius (Zetterstedt, 1847:2542).

Subgenus CHUSQUEOPHILA Brncic

- Drosophila*, subg. CHUSQUEOPHILA Brncic, 1957a:100. Type-species, *appendiculata* Malloch (orig. des.).



APPENDICULATA Malloch, 1934:441. Type-locality: Chile, Chiloé, Puntra.
Distr. — Chile.

Subgenus DORSILOPHA Sturtevant

Drosophila, subg. DORSILOPHA Sturtevant, 1942:28. Type-species, *busckii* Coquillett (orig. des.).

BUSCKII Coquillett, 1901b:18 (as *busckii*, *lapsus*). Type-locality: U.S.A., District of Columbia. Distr. — Cosmopolitan.

Subgenus DROSOPHILA Fallén

ACRORIA Wheeler & Takada, 1962:404. Type-locality: Colombia, Bogotá, Tequendama Falls. Distr. — Columbia.

ACUTILABELLA Stalker, 1953:345. Type-locality: U.S.A., Florida. Distr. — Florida, Cuba, Haiti, Hispaniola, Jamaica.

ADDISONI Pavan, 1950:4. Type-locality: Brazil, Pará, Belem. Distr. — Brazil (Pará).

ALBESCENS Frota-Pessoa, 1954:281. Type-locality: Brazil, Guanabara, Rio de Janeiro, Gávea. Distr. — Brazil.

ALBICANS Frota-Pessoa, 1954:282. Type-locality: Brazil, São Paulo, Pirassununga. Distr. — Brazil.

ALBIROSTRIS Sturtevant, 1921:78. Type-locality: "Panama". Distr. — Panama.

ALBOMARGINATA Duda, 1927:173. Type-locality: Bolivia, Mapiri, Sarampiuní. Distr. — Bolivia.

ALDRICHI Patterson & Crow, 1940:251. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico, Costa Rica, El Salvador.

ALEXANDERAE Pipkin, 1964:234. Type-locality: Panama, Bocas del Toro, Almirante. Distr. — Panama.

ALTERNOLINEATA Duda, 1925:213. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Nicaragua, El Salvador, Panama.

ALTIPLANICA Brncic & Koref Santibañez, 1957:69. Type-locality: Bolivia, La Paz. Distr. — Bolivia.

AMPLIPENNIS Malloch, 1934:442. Type-locality: Argentina, Rio Negro, Lago Correntoso. Distr. — Argentina, Chile.

ANCEPS Patterson & Mainland, 1944:39. Type-locality: Mexico, Puebla, Petalcingo. Distr. — Mexico.

ANDINA Dobzhansky & Pavan, 1943:59. Type-locality: Peru, Huancayo. Distr. — Peru.

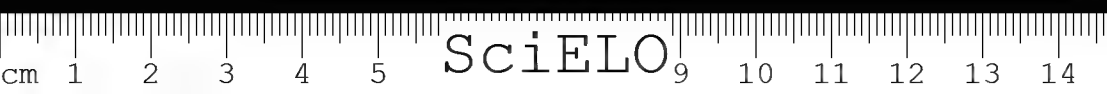
ANGUSTIBUCCA Duda, 1925:218. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Panama.

ANNULARIS Sturtevant, 1916:327 (nom. nov. for *annulata* Williston). Type-locality: West Indies, St. Vincent. Distr. — West Indies, Panama, Brazil, Bolivia, Peru.

annulata Williston, 1896:409 (preocc. Fallén, 1813). Type-locality: West Indies, St. Vincent.

ANNULIMANA Duda, 1927:117. Type-locality: Bolivia, Mapiri, Sarampiuní. Distr. — Colombia, Brazil, Bolivia.

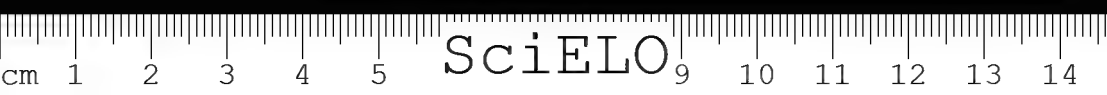
- ANTILLEA Heed, 1962:178. Type-locality: West Indies, St. Lucia. Distr. — West Indies (St. Lucia).
- ARACEA Heed & Wheeler, 1957:36. Type-locality: Nicaragua, Santa Maria de Ostuma. Distr. — El Salvador, Honduras, Nicaragua, Costa Rica, Panama.
- ARAICAS Pavan & Nacur, 1950:264. Type-locality: Belém, Pará (not stated). Distr. — Brazil.
- ARAPUAN Cunha & Pavan *in* Pavan & Cunha, 1947:36. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- ARARAMA Pavan & Cunha, 1947:28. Type-locality: Brazil, São Paulo, Bertoga and São Sebastião. Distr. — Brazil.
- ARASSARI Cunha & Frota-Pessoa *in* Pavan & Cunha, 1947:32. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil.
- ARAUCANA Brncic, 1957a:82. Type-locality: Chile, Puerto Montt. Distr. — Chile.
- ARAUNA Pavan & Nacur, 1950:268. Type-locality: Brazil, São Paulo, Pirassununga. Distr. — Brazil.
- ARAWAKANA Heed, 1962:178. Type-locality: West Indies, Guadeloupe. Distr. — West Indies (Guadeloupe).
ssp. KITTENSIS Heed, 1962:178. Type-locality: West Indies, St. Kitts. Distr. — West Indies (St. Kitts).
- ARGENTEIFRONS Wheeler, 1954:50. Type-locality: Mexico, Veracruz, San Andrés Tuxtla. Distr. — Mexico, Panama.
- ARIZONENSIS Patterson & Wheeler, 1942:96. Type-locality: U.S.A., Arizona. Distr. — U.S.A., Mexico.
- ATRATA Burla & Pavan, 1953:307. Type-locality: Brazil, São Paulo, Pirassununga. Distr. — Brazil.
- AUREA Patterson & Mainland, 1944:46. Type-locality: Mexico, Veracruz, Barranca de Metlac. Distr. — Mexico.
- AUREATA Wheeler, 1957:83. Type-locality: Costa Rica, San José. Distr. — Mexico, Costa Rica, El Salvador, Panama, Trinidad.
- AUREOPALLESSENS Pipkin, 1964:232. Type-locality: Panama, Canal Zone, Fort Sherman Reservation. Distr. — Panama (Canal Zone), Colombia.
- BANDEIRANTORUM Dobzhansky & Pavan, 1943:30. Type-locality: Brazil, São Paulo, Mogi das Cruzes. Distr. — Colombia, Brazil.
- BELLADUNNI Heed & Krishnamurthy, 1959:157. Type-locality: West Indies, Jamaica, Hardware Gap. Distr. — West Indies (Jamaica).
- BETARI Dobzhansky & Pavan, 1943:48. Type-locality: Brazil, São Paulo, Iporanga. Distr. — Brazil.
- BIFILUM Frota-Pessoa, 1954:284. Type-locality: Brazil, São Paulo, Vila Atlântica. Distr. — Brazil.
- BIFURCA Patterson & Wheeler, 1942:85. Type-locality: U.S.A., Texas. Distr. — U.S.A. (Texas), Mexico.
- BIPUNCTATA Patterson & Mainland *in* Patterson, 1943:194. Type-locality: Mexico, Michoacán, Cupatitzio Nat. Park. Distr. — Mexico.
- BLUMELAE Pipkin & Heed, 1964:267. Type-locality: Panama, Cerro Campana. Distr. — Panama.
- BODEMANNAE Pipkin & Heed, 1964:257. Type-locality: Panama, Cerro Campana. Distr. — Panama.



- BOLETINA Duda, 1927:202. Type-locality: Mexico, "M. F. 298." Distr. — Mexico.
- BOLIVIANA Duda, 1927:198. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Bolivia.
- BRVICARINATA Patterson & Wheeler, 1942:88. Type-locality: Mexico, Nuevo León, San Josecito. Distr. — Mexico.
- BRIEGERI Pavan & Breuer, 1954:459. Type-locality: Brazil, São Paulo, Vila Atlântica. Distr. — Panama, Colombia, Brazil.
- BRNCICI Hunter & Hunter, 1964:733. Type-locality: Colombia, Bogotá. Distr. — Colombia.
- BROMELIAE Sturtevant, 1921:72. Type-locality: Cuba, Havana. Distr. — Cuba, Puerto Rico, Jamaica, Mexico (San Luis Potosí, Yucatán) to Colombia.
- BROMELIOIDES Pavan & Cunha, 1947:7. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- BRUNNEIPALPA Dobzhansky & Pavan, 1943:53. Type-locality: Brazil, São Paulo, Apiai. Distr. — Brazil.
- BUZZATI Patterson & Wheeler, 1942:97. Type-locality: Argentina, Córdoba. Distr. — Argentina, Brazil, Bolivia; Australia, Italy, Lebanon.
- CALLOPTERA Schiner, 1868:239. Type-locality: "South America". Distr. — Mexico south to Brazil, Peru, Venezuela.
- tephritoptera* Hendel, 1936:95 (*Paramycodrosophila*). Type-locality: Brazil, Pará, Santarém, Faz. Taperinha.
- CAMARGOI Dobzhansky & Pavan in Pavan, 1950:6. Type-locality: Brazil, Pará, Belém. Distr. — Costa Rica, Panama, Guyana, Brazil.
- CAMARONENSIS Brncic, 1957a:95. Type-locality: Chile, Arica, Camarones. Distr. — Chile.
- CANALINEA Patterson & Mainland, 1944:50. Type-locality: Mexico, Veracruz, San Juan. Distr. — Mexico south to Brazil.
- CANALINIODES Wheeler, 1957:92. Type-locality: El Salvador, San Salvador. Distr. — Costa Rica, El Salvador, Panama, Canal Zone, Venezuela.
- CANAPALPA Patterson & Mainland, 1944:40. Type-locality: Mexico, Hidalgo, La Placita. Distr. — Mexico.
- CAPONEI Pavan & Cunha, 1947:4. Type-locality: Brazil, São Paulo, Vila Atlântica, Itanhaem, Peruibe, Bertioiga. Distr. — Brazil.
- CARBONARIA Patterson & Wheeler, 1942:103. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico.
- CARCINOPHILA Wheeler, 1960b:208. Type-locality: Puerto Rico, Mona I. Distr. — West Indies (Puerto Rico, Montserrat). Ref. — Carson, 1967 (association with land crabs).
- CARDINI Sturtevant, 1916:336. Type-locality: Cuba, Havana. Distr. — Widespread, Mexico and West Indies south to Bolivia and Peru. Ref. — Futch, 1962.
- CARDINOIDES Dobzhansky & Pavan, 1943:21. Type-locality: Brazil, São Paulo, Iporanga. Distr. — Mexico, Costa Rica, El Salvador, Panama, Colombia, Brazil, Chile.
- CARIBIANA Heed, 1962:179. Type-locality: West Indies, Martinique. Distr. — West Indies (Martinique).



- CASTANEA Patterson & Mainland, 1944:51. Type-locality: Mexico, Veracruz, Sedeño Cañon. Distr. — Mexico, Costa Rica, El Salvador, Colombia, Venezuela. Ref. — Wheeler, 1957.
- COMOSA Wheeler, 1968:432. Type-locality: Costa Rica, Golfito. Distr. — Costa Rica.
- CONVERGA Heed & Wheeler, 1957:22. Type-locality: Costa Rica, San José. Distr. — Costa Rica, El Salvador, Nicaragua, Honduras, Panama, Colombia, Trinidad.
- COROICA Wasserman, 1962d:125. Type-locality: Bolivia, Coroico. Distr. — Bolivia.
- CRASSA Patterson & Mainland, 1944:52. Type-locality: Mexico, Veracruz, Barranca de Metlac. Distr. — Mexico.
- CROCINA Patterson & Mainland, 1944:34. Type-locality: Mexico, Veracruz, Córdoba. Distr. — Puerto Rico, Jamaica, Mexico, El Salvador, Costa Rica, Panama, Colombia, Trinidad, Brazil.
- campestris* Burla in Pavan, 1950:9. Type-locality: Brazil, São Paulo, Pirassununga.
- CROSSOPTERA Wheeler & Takada, 1962:404. Type-locality: Panama, Bocas del Toro, Almirante. Distr. — Panama, Colombia.
- CURVAPEX Frota-Pessoa, 1954:296. Type-locality: Brazil, Rio Grande do Sul, Feliz. Distr. — Brazil.
- DESERTORUM Wasserman, 1962c:95. Type-locality: Mexico, Puebla, Pachuca. Distr. — Mexico.
- DIVISA Duda, 1927:187. Type-locality: Bolivia, Mapiri, Sarampiuni, and Yungas; Peru, Paso de Lares. Distr. — Bolivia, Peru.
- DREYFUSI Dobzhansky & Pavan, 1943:61. Type-locality: Brazil, São Paulo, Mogi das Cruzes. Distr. — Brazil.
- DUNNI Townsend & Wheeler, 1955:61. Type-locality: West Indies, Puerto Rico, Rio Piedras. Distr. — West Indies.
- ssp. THOMASENSIS* Heed, 1962:179. Type-locality: West Indies, St. Thomas. Distr. — West Indies (St. Thomas).
- ENDOBRANCHIA Carson & Wheeler, 1968:675. Type-locality: West Indies, Grand Cayman I., Conch Point. Distr. — West Indies (Grand Cayman I., Little Cayman I., ?Cuba).
- EOHYDEI Wasserman, 1962b:73. Type-locality: Colombia, Bucaramanga. Distr. — Honduras, El Salvador, Panama, Colombia.
- EREMOPHILA Wasserman, 1962c:94. Type-locality: Mexico, Puebla, Acatlán. Distr. — Mexico.
- FACIALBA Heed & Wheeler, 1957:19. Type-locality: El Salvador, Volcán El Boquerón. Distr. — Mexico, Costa Rica, Nicaragua, El Salvador.
- FAIRCHILD Pipkin & Heed, 1964:269. Type-locality: Panama, Chiriqui, El Volcán. Distr. — Panama.
- FASCIOLA Williston, 1896:410. Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent, St. Lucia, Martinique), El Salvador, Panama, Guiana. Ref. — Wasserman, 1962d.
- FASCIOLIDES Dobzhansky & Pavan, 1943:42. Type-locality: Brazil, São Paulo, Bertioga. Distr. — Costa Rica, Honduras, Panama (Canal Zone), Colombia, Ecuador, Brazil.



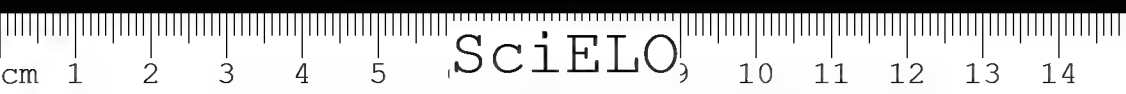
- FLAVOLINEATA Duda, 1927:157. Type-locality: Bolivia, Mapiri, Sarampiuni. Distr. — Brazil, Bolivia.
- FLAVOPILOSA Frey, 1918:14. Type-locality: Chile, Valparaiso. Distr. — Chile, Bolivia, Peru, Uruguay, Argentina.
- dentata* Duda, 1927:201. Type-locality: Bolivia, La Paz; Chile, Los Andes; and Peru, Cuzco.
- tendata* Wheeler, 1959a:183 (nom. nov. for *dentata* Duda). Type-locality: Bolivia, La Paz; Chile, Los Andes; and Peru, Cuzco.
- FRAGILIS Wheeler, 1949a:191. Type-locality: Mexico, Puebla, Atlixco. Distr. — Mexico, El Salvador, Panama.
- FULVALINEATA Patterson & Wheeler, 1942:106. Type-locality: U.S.A., Arizona. Distr. — U.S.A., Mexico. Ref. — Wasserman, 1962d.
- FULVIMACULA Patterson & Mainland, 1944:42. Type-locality: Mexico, Veracruz, Sedeño Cañon. Distr. — Mexico, El Salvador, Honduras, Panama (Canal Zone), Colombia, Brazil.
- SSP. FLAVOREPLETA Patterson & Pavan in Patterson, 1952:114. Type-locality: Brazil, Pará, Belém. Distr. — Brazil.
- FULVIMACULOIDES Wasserman & Wilson, 1957:137. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica, El Salvador, Nicaragua.
- FUMOSA Pavan & Cunha, 1947:14. Type-locality: Brazil, São Paulo: Iporanga, Araras, and Itanhaem. Distr. — Brazil.
- FUNDOMACULATA Duda, 1925:209. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- FUNEBRIS (Fabricius), 1787:345 (*Musca*). Type-locality: "Europe". Distr. — Cosmopolitan.
- dudai* Malloch, 1934:444. Type-locality: Chile, Angol.
- FUSCIPENNIS Duda, 1927:198. Type-locality: Peru, Urubamba R. Distr. — Peru.
- FUSCOLINEATA Duda, 1925:213. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, El Salvador.
- GASICI Brncic, 1957a:92. Type-locality: Chile, Arica, Camarones. Distr. — Chile, Colombia. Ref. — Hunter, 1966.
- GAUCHA Jaeger & Salzano, 1953:205. Type-locality: Brazil, Rio Grande do Sul, Muitos Capões. Distr. — Brazil, Argentina.
- GENTICA Wheeler & Takada, 1962:406. Type-locality: El Salvador, San Salvador. Distr. — El Salvador.
- GIBBEROSA Patterson & Mainland in Patterson, 1943:195. Type-locality: Mexico, Michoacán, Cupatitzio. Distr. — Mexico.
- GIGAS Duda, 1925:216. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Honduras, Nicaragua, El Salvador, Panama.
- GREERAE Pipkin & Heed, 1964:260. Type-locality: Panama, Canal Zone, Madden Forest. Distr. — Panama (Canal Zone).
- GRISEOLINEATA Duda, 1927:161. Type-locality: Bolivia, Mapiri, and Brazil, Rio de Janeiro, Petrópolis. Distr. — Colombia, Brazil, Bolivia.
- GUARAJA King, 1947:48. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil.
- pulla* Pavan & Cunha, 1947:10. Type-locality: Brazil, São Paulo: Iporanga, Mogi das Cruzes, São Sebastião, and Paraná: Lamberdor.

- GUARAMUNU Dobzhansky & Pavan, 1943:39. Type-locality: Brazil, São Paulo, Amália. Distr. — Brazil.
- GUARANI Dobzhansky & Pavan, 1943:36. Type-locality: Brazil, São Paulo, Cantareira. Distr. — Brazil.
- GUARU Dobzhansky & Pavan, 1943:37. Type-locality: Brazil, São Paulo, Amália. Distr. — Brazil.
- HAMATOFILA Patterson & Wheeler, 1942:91. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico.
- HANSONI Pipkin, 1964:227. Type-locality: Panama, Cerro Campana. Distr. — Panama.
- HANSONIODES Pipkin, 1966:4. Type-locality: Colombia, Rio Raposo. Distr. — Colombia (Rio Raposo).
- HEXASTIGMA Patterson & Mainland, 1944:43. Type-locality: Mexico, Puebla, Petlalcingo. Distr. — Mexico.
- HUILICHE Brncic, 1957a:85. Type-locality: Chile, Valdivia, Angachilla. Distr. — Chile.
- HYALIPENNIS Duda, 1927:119. Type-locality: Peru, Cuzco. Distr. — Peru.
- HYDEI Sturtevant, 1921:101. Type-locality: U.S.A., Florida. Distr. — Cosmopolitan.
- setosa* Dobzhansky & Pavan, 1943:46. Type-locality: Brazil, São Paulo, Mogi das Cruzes.
- HYDEOIDES Patterson & Wheeler, 1942:84. Type-locality: Mexico, Nuevo León, San Josecito. Distr. — Mexico.
- ICTEROSCUFA Wheeler, 1949a:184. Type-locality: Mexico, Michoacán, Morelia. Distr. — Mexico.
- IMMIGRANS Sturtevant, 1921:83. Type-locality: U.S.A., New York. Distr. — Cosmopolitan.
- flexipilosa* Pipkin, 1964:238. Type-locality: Panama, Chiriqui, El Volcán.
- INCA Dobzhansky & Pavan, 1943:44. Type-locality: Peru, Huancayo. Distr. — Peru.
- INCOMPTA Wheeler & Takada, 1962:408. Type-locality: Panama, Bocas del Toro, Almirante. Distr. — West Indies (Dominica), Mexico, Panama, Colombia.
- INNUBILA Spencer in Patterson, 1943:94. Type-locality: U.S.A., Arizona, New Mexico; Mexico, Chihuahua, Michoacán. Distr. — U.S.A., Mexico.
- JOHNSTONAE Pipkin & Heed, 1964:265. Type-locality: Panama, Cerro Campana. Distr. — Panama.
- KALLIMA Wheeler, 1957:87. Type-locality: Nicaragua, Santa Maria de Osumtuma. Distr. — Nicaragua, Panama.
- KRUGI Pavan & Breuer, 1954:462. Type-locality: Brazil, São Paulo, São Paulo, Horto Florestal da Cantareira. Distr. — Brazil.
- LAUTA Wheeler & Takada, 1962:403. Type-locality: Haiti, Kenscoff Pines. Distr. — Haiti.
- LEONIS Patterson & Wheeler, 1942:82. Type-locality: Mexico, Nuevo León, San Josecito. Distr. — Mexico.

- LETICIAE** Pipkin, 1967:111. Type-locality: Colombia, Amazonas, Leticia, El Marco. Distr. — Colombia.
- LEUKORRHINA** Pipkin, 1964:224. Type-locality: Panama, Canal Zone, Madden Forest. Distr. — Panama (Canal Zone).
- LIMBINERVIS** Duda, 1925:215. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Honduras, El Salvador.
- LIMBIVENTRIS** Duda, 1925:212. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- LIMENSIS** Pavan & Patterson in Pavan & Cunha, 1947:26. Type-locality: Peru, Lima. Distr. — Brazil, Peru.
- LINDAE** Wheeler, 1968:431. Type-locality: Colombia, Cauca, Popayán. Distr. — Colombia, Bolivia, Peru.
- LINEAREPLETA** Patterson & Wheeler, 1942:79. Type-locality: Guatemala, Antigua. Distr. — Mexico, Guatemala.
- LONGICORNIS** Patterson & Wheeler, 1942:90. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico.
- LUGUBRIPENNIS** Duda, 1927:199. Type-locality: Peru, Paso de Lares. Distr. — Peru.
- MACROPOLIA** Patterson & Mainland, 1944:54. Type-locality: Mexico, Distrito Federal, El Desierto de los Leones. Distr. — Mexico.
- MACROPTERA** Patterson & Wheeler, 1942:105. Type-locality: U.S.A., Colorado. Distr. — U.S.A., Mexico.
- MACROSPINA** Stalker & Spencer, 1939:110. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico.
- ssp. **LIMPIENSIS** Mainland, 1941:160. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico.
- MAGNABADIA** Patterson & Mainland in Patterson, 1943:196. Type-locality: Mexico, Distrito Federal, El Desierto de los Leones. Distr. — Mexico.
- MARACAYA** Wheeler, 1957:88. Type-locality: Venezuela, Maracay. Distr. — Venezuela.
- MARTENSIS** Wasserman & Wilson, 1957:151. Type-locality: Colombia, Santa Marta. Distr. — Colombia, Venezuela.
- MCCLEINTOCKAE** Pipkin, 1964:228. Type-locality: Panama, Cerro Campana. Distr. — Panama.
- MEDIOCRIS** Frota-Pessoa, 1954:275. Type-locality: Brazil, Amazonas, Rio Negro. Distr. — Panama, Brazil.
- MEDIODELTA** Heed & Wheeler, 1957:21. Type-locality: Colombia, El Recuerdo. Distr. — Costa Rica, El Salvador, Nicaragua, Panama, Colombia.
- MEDIODIFFUSA** Heed & Wheeler, 1957:27. Type-locality: Puerto Rico, El Yunque. Distr. — West Indies (Puerto Rico, Haiti, Jamaica).
- MEDIOLMPRESSA** Frota-Pessoa, 1954:300. Type-locality: Brazil, Minas Gerais, Montes Claros. Distr. — Brazil.
- MEDIONOTATA** Frota-Pessoa, 1954:288. Type-locality: Brazil, São Paulo, Vila Atlântica. Distr. — Panama, Brazil.
- MEDIOOBSCURATA** Duda, 1925:217. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.



- MEDIOPARVA Heed & Wheeler, 1957:28. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica, Panama, Colombia.
- MEDIOPICTA Frota-Pessoa, 1954:290. Type-locality: Brazil, São Paulo, Mogi das Cruzes. Distr. — Panama, Brazil.
- MEDIOPICTOIDES Heed & Wheeler, 1957:24. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica, Panama, Colombia.
- MEDIOPUNCTATA Dobzhansky & Pavan, 1943:26. Type-locality: Brazil, São Paulo, Itanhaem. Distr. — Brazil.
- MEDIOSIGNATA Dobzhansky & Pavan, 1943:24. Type-locality: Brazil, São Paulo, Apiaí. Distr. — Brazil.
- MEDIOSTRIATA Duda, 1925:223. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Panama, Colombia, Venezuela, Trinidad, Brazil, Bolivia.
- MEDIOVITTATA Frota-Pessoa, 1954:280. Type-locality: Brazil, Guanabara, Rio de Janeiro, Gávea. Distr. — Brazil.
- MELANICA Sturtevant, 1916:332. Type-locality: U.S.A., Alabama. Distr. — U.S.A., Mexico.
- MELANOPALPA Patterson & Wheeler, 1942:77. Type-locality: U.S.A., Arizona. Distr. — U.S.A., Mexico.
- MELINA Wheeler, 1962:246 (nom. nov. for *gilva* Wheeler & Takada). Type-locality: West Indies, St. Lucia. Distr. — West Indies (St. Lucia), Panama, Colombia.
- gilva* Wheeler & Takada, 1962:407 (preocc. Burla, 1956). Type-locality: West Indies, St. Lucia.
- MERCATORUM Patterson & Wheeler, 1942:93. Type-locality: U.S.A., California. Distr. — U.S.A., Mexico, El Salvador, Colombia, Brazil, Chile, Peru, Bolivia. Ref. — Wasserman, 1962a.
- ssp. PARAREPLETA Dobzhansky & Pavan, 1943:52. Type-locality: Brazil, São Paulo, Mogi das Cruzes. Distr. — Brazil, ?Chile.
- MERIDIANA Patterson & Wheeler, 1942:99. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico.
- ssp. RIOENSIS Patterson, 1943:152. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico.
- MERIDIONALIS Wasserman, 1962c:88. Type-locality: Brazil, Rio de Janeiro, Angra dos Reis. Distr. — Brazil.
- MESOPHRAGMATICA Duda, 1927:205. Type-locality: Peru, Cuzco, and Bolivia, La Paz. Distr. — Colombia, Brazil, Peru, Bolivia. Ref. — Nacur, 1958 (male genitalia); Hunter & Hunter, 1964 (distribution).
- MESOSTIGMA Frota-Pessoa, 1954:269. Type-locality: Brazil, Pará, Belém. Distr. — Brazil.
- METZII Sturtevant, 1921:78. Type-locality: Cuba, Herradura. Distr. — West Indies, Mexico, Costa Rica, El Salvador, Panama, Colombia, Trinidad. Ref. — Pipkin, 1968.
- MICROMELANICA Patterson, 1941:394. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico.
- MIRASOLENSIS Mourão & Gallo, 1967:118. Type-locality: Brazil, São Paulo, Mirassol. Distr. — Brazil.
- MOJAVENSIS Patterson & Crow, 1940:251. Type-locality: U.S.A., California. Distr. — U.S.A., Mexico.



- MOJU Pavan, 1950:19. Type-locality: Brazil, Pará, Belém. Distr. — Costa Rica, Panama (Canal Zone), Colombia, Brazil, Bolivia.
- MOJUOIDES Wasserman, 1962d:121. Type-locality: Trinidad, Arima Valley. Distr. — Trinidad.
- MORENA Frota-Pessoa, 1954:283. Type-locality: Brazil, Rio Grande do Sul, Feliz. Distr. — Brazil.
- MULLERI Sturtevant, 1921:101. Type-locality: U.S.A., Texas. Distr. — U.S.A., West Indies (Cuba, Jamaica), Mexico.
- MUNDA Spencer, 1942:58. Type-locality: U.S.A., New Mexico. Distr. — U.S.A., Mexico.
- NANNOPTERA Wheeler, 1949a:177. Type-locality: Mexico, Oaxaca. Distr. — Mexico. Ref. — Throckmorton, 1962:208.
- NEOCARDINI Streisinger, 1946:11. Type-locality: Brazil, Amazonas, Tefé. Distr. — Colombia, Brazil.
- ssp. MOURENSIS Cunha, 1955:119. Type-locality: Brazil, Amazonas, Moura. Distr. — Brazil.
- ssp. ITAMBACURIENSIS Cunha, 1955:119. Type-locality: Brazil, Minas Gerais, Itambacuri. Distr. — Brazil.
- NEOCHRACEA Wheeler, 1959a:183 (nom. nov. for *ochracea* Duda). Type-locality: Bolivia, Mapiro. Distr. — Bolivia.
- ochracea* Duda, 1927:195 (preocc. Grimshaw, 1901). Type-locality: Bolivia, Mapiro.
- NEOGUARAMUNU Frydenberg, 1956a:57. Type-locality: Peru, Tingo Maria. Distr. — Peru.
- NEOHYDEI Wasserman, 1962b:75. Type-locality: Venezuela, Carpentaro. Distr. — Venezuela.
- NEOMORPHA Heed & Wheeler, 1957:33. Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Mexico, Honduras, Panama (Canal Zone), Trinidad.
- NEOREPLETA Patterson & Wheeler, 1942:78. Type-locality: Guatemala, Sacapulas. Distr. — Guatemala.
- NESIOTA Wheeler & Takada, 1962:409. Type-locality: Haiti, Petionville. Distr. — Haiti.
- NIGRASPLENDENS Pipkin, 1964:217. Type-locality: Panama, Cerro Campana. Distr. — Panama.
- NIGRICINCTA Frota-Pessoa, 1954:289. Type-locality: Brazil, São Paulo, Cantareira. Distr. — Panama, Brazil.
- NIGRICRURIA Patterson & Mainland in Patterson, 1943:136. Type-locality: Mexico, Jalisco, El Medinena. Distr. — Mexico, Costa Rica, El Salvador, Colombia, Venezuela, Chile, Peru.
- hoeckeri* Brncic, 1957a:76. Type-locality: Chile, Arica, Azapa.
- NIGRODUNNI Heed & Wheeler, 1957:35. Type-locality: West Indies, Barbados. Distr. — West Indies (Barbados).
- NIGROHYDEI Patterson & Wheeler, 1942:84. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico, Guatemala.
- NIGROSPIRACULA Patterson & Wheeler, 1942:81. Type-locality: U.S.A., Arizona. Distr. — U.S.A., Mexico.
- NOVEMARISTATA Dobzhansky & Pavan, 1943:55. Type-locality: Peru, Huanayo. Distr. — Peru.
- NUBILUNA Wheeler, 1949a:188. Type-locality: Mexico, Michoacán, Morelia. Distr. — Mexico.



- OCCIDENTALIS Spencer, 1942:60. Type-locality: U.S.A., California. Distr. — U.S.A., Mexico.
- ONCA Dobzhansky & Pavan, 1943:40. Type-locality: Brazil, São Paulo, Iporanga. Distr. — Brazil.
- ORKUI Brncic & Koref Santibañez, 1957:69. Type-locality: Peru, Cuzco. Distr. — Peru.
- ORNATIPENNIS Williston, 1896:407. Type-locality: West Indies, St. Vincent. Distr. — West Indies (Cuba, Jamaica, Puerto Rico, Haiti, St. Kitts, St. Lucia, St. Vincent).
- OSORNINA Brncic, 1957a:97. Type-locality: Chile, Llanquihue, Ensenada. Distr. — Chile.
- OTHONI Pipkin, 1964:236. Type-locality: Panama, Darien, El Real. Distr. — Panama.
- PACHEA Patterson & Wheeler, 1942:87. Type-locality: Mexico, Sonora, Hermosillo. Distr. — U.S.A., Mexico.
- PACHUCA Wasserman, 1962c:95. Type-locality: Mexico, Puebla, Pachuca. Distr. — Mexico.
- PALLIDIPENNIS Dobzhansky & Pavan, 1943:32. Type-locality: Brazil, São Paulo, Iporanga. Distr. — Mexico, El Salvador, Panama, Colombia, Brazil, Peru. Ref. — Frydenberg, 1956b.
- ssp. CENTRALIS Patterson & Mainland, 1944:57. Type-locality: Mexico, Veracruz, Sedeño Cañon. Distr. — Mexico, El Salvador, Panama, Colombia.
- PANAMENSIS Malloch, 1926:28. Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone).
- PARA Pavan & Burla in Pavan, 1950:22. Type-locality: Brazil, Pará, Belém. Distr. — Trinidad, Brazil.
- PARACANALINEA Wheeler, 1957:93. Type-locality: Puerto Rico, El Yunque. Distr. — Puerto Rico.
- PARACHROGASTER Patterson & Mainland in Patterson, 1943:197. Type-locality: Mexico, Michoacán, Laguna Pátzcuaro. Distr. — Mexico.
- PARAGUAYENSIS Duda, 1927:185. Type-locality: Paraguay, Hohenau. Distr. — Paraguay, Brazil.
- PARAGUTTATA Thompson in Wheeler, 1957:98. Type-locality: West Indies, Jamaica. Distr. — West Indies (Jamaica). Ref. — Wasserman, 1962d.
- PARAMEDIOTRIATA Townsend & Wheeler, 1955:62. Type-locality: Puerto Rico, Rio Piedras. Distr. — Cuba, Puerto Rico.
- PARANAENSIS Dreyfus & Barros, 1948:12. Type-locality: not stated [Paraná, Brazil is implied]. Distr. — Mexico, Costa Rica, Nicaragua, El Salvador, Panama, Colombia, Trinidad, Brazil. Ref. — Wasserman, 1962a.
- PARTHENOGENETICA Stalker, 1953:347. Type-locality: Mexico, Atlixco. Distr. — Mexico, Nicaragua, Trinidad.
- PAVANI Brncic, 1957a:88. Type-locality: Chile (numerous localities are listed). Distr. — Chile, Argentina.
- PEGASA Wasserman, 1962c:94. Type-locality: Mexico, Puebla, Pachuca. Distr. — Mexico.



- PELLEWAE Pipkin & Heed, 1964:263. Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone), Colombia. Ref. — Pipkin, 1968.
- PENINSULARIS Patterson & Wheeler, 1942:92. Type-locality: U.S.A., Florida. Distr. — U.S.A., Puerto Rico.
- PERUVIANA Duda, 1927:204. Type-locality: Peru, Urubamba R. Distr. — Brazil, Peru.
- PICTILIS Wasserman, 1962d:125. Type-locality: El Salvador, Lago Pichichuela. Distr. — El Salvador.
- PICTURA Wasserman, 1962d:121. Type-locality: Trinidad, Port of Spain. Distr. — Trinidad, Bolivia.
- PLATITARSUS Frota-Pessoa, 1954:176. Type-locality: Brazil, Guanabara, Rio de Janeiro. Distr. — Brazil.
- POLLINOSPADIX Patterson & Mainland, 1944:55. Type-locality: Mexico, Hidalgo, Pachuca. Distr. — Mexico.
- POLYCHAETA Patterson & Wheeler, 1942:102. Type-locality: U.S.A., Texas. Distr. — U.S.A., Costa Rica, Panama, Brazil, several Pacific Islands.
- POLYMORPHA Dobzhansky & Pavan, 1943:19. Type-locality: Brazil, São Paulo, Bertioga. Distr. — Guatemala, Panama, Trinidad, Brazil.
- PONDEROSA Patterson & Mainland in Patterson, 1943:198. Type-locality: Mexico, Federal District, El Desierto de los Leones. Distr. — Mexico.
- PROCARDINOIDES Frydenberg, 1956a:60. Type-locality: Peru, Urubamba River, Huadquina. Distr. — Peru, Bolivia.
- PROMERIDIANA Wasserman, 1962c:94. Type-locality: Colombia, Palmira. Distr. — Colombia.
- PROPACHUCA Wasserman, 1962c:95. Type-locality: Mexico, Puebla, Pachuca. Distr. — Mexico.
- PROSIMILIS Duda, 1927:194. Type-locality: Peru, Urubamba R. and Pichís; Bolivia, Mapiri. Distr. — Brazil, Peru, Bolivia.
- PRUINIFACIES Frota-Pessoa, 1954:292. Type-locality: Brazil, São Paulo, Mogi das Cruzes. Distr. — Brazil.
- QUADRUNGULUM (Wiedemann), 1830b:507 (*Trypeta*). Type-locality: "Brazil". Distr. — Brazil, Venezuela, Peru.
- RACEMOVA Patterson & Mainland, 1944:44. Type-locality: Mexico, Hidalgo, Jacala. Distr. — Mexico.
- RAMSDENI Sturtevant, 1916:328. Type-locality: Cuba, Guantánamo. Distr. — Cuba.
- REPLETA Wollaston, 1858:117. Type-locality: Madeira I. Distr. — Cosmopolitan.
- punctulata* Loew, 1862:232. Type-locality: "Cuba".
- austrorepleta* Dobzhansky & Pavan, 1943:50. Type-locality: Brazil, São Paulo, Mogi das Cruzes.
- var. *PROREPLETA* Duda, 1925:210. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- RITAE Patterson & Wheeler, 1942:87. Type-locality: U.S.A., Texas. Distr. — U.S.A., Mexico.



- ROHIRAE Pipkin & Heed, 1964:270. Type-locality: Panama, Cerro Campana. Distr. — Panama.
- ROSTRATA Duda, 1925:219. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica. Ref. — Wheeler, 1963.
- RUBRIFRONS Patterson & Wheeler, 1942:107. Type-locality: U.S.A., Arizona. Distr. — U.S.A., Mexico.
- SCHILDI Malloch, 1924b:10. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica, Panama, Venezuela, Colombia, Trinidad, Brazil.
- poeciloptera* Duda, 1925:226 (*Paramycodrosophila*). Type-locality: Costa Rica, Suiza de Turrialba.
- poecila* Burla & Pavan, 1953:311. Type-locality: not listed.
- SERENENSIS Brncic, 1957a:78. Type-locality: Chile, La Serena, Coquimbo. Distr. — Chile.
- SETAPEX Patterson & Mainland, 1944:55. Type-locality: Mexico, Morelos, AlpuECA. Distr. — Mexico.
- SETULA Heed & Wheeler, 1957:18. Type-locality: Colombia, Fusagasugá. Distr. — Costa Rica, Panama, Colombia, Trinidad.
- SIMILIS Williston, 1896:415. Type-locality: West Indies, St. Vincent. Distr. — West Indies (Cuba, Haiti, Jamaica, St. Vincent, Barbados), Mexico, Honduras, Panama, Trinidad, ?Peru, ?Bolivia.
- ssp. GRENADENSIS Heed, 1962:178. Type-locality: West Indies, Grenada. Distr. — West Indies (Grenada).
- SPADICIFRONS Patterson & Mainland, 1944:49. Type-locality: Mexico, Michoacán, Mil Cumbres. Distr. — Mexico.
- SPENCERI Patterson, 1943:160. Type-locality: Mexico, Morelos, Rio Chalma. Distr. — Mexico.
- SPINATERMINA Heed & Wheeler, 1957:30. Type-locality: Trinidad, Port of Spain. Distr. — Trinidad.
- STICTA Wheeler, 1957:96. Type-locality: Honduras, Lancetilla. Distr. — El Salvador, Honduras, Nicaragua, Panama, Colombia.
- SUBBADIA Patterson & Mainland in Patterson, 1943:198. Type-locality: Mexico, Michoacán, Laguna Pátzcuaro and Cupatitzio Natl. Park. Distr. — Mexico.
- SUBMACROPTERA Patterson & Mainland in Patterson, 1943:186. Type-locality: Mexico, Taxco. Distr. — Mexico.
- SUBOCCIDENTALIS Spencer, 1942:61. Type-locality: not listed. Distr. — U.S.A. (Idaho, Utah, Wyoming, Colorado, So. Dakota), Mexico.
- SUBVIRIDIS Patterson & Mainland in Patterson, 1943:140. Type-locality: Mexico, Mexico City. Distr. — Mexico.
- SUCHEAE Pipkin & Heed, 1964:262. Type-locality: Panama, Cerro Campana. Distr. — Panama.
- TALAMANCANAE Wheeler, 1968:438 (nom. nov. for *punctipennis* Duda). Type-locality: Costa Rica, San José. Distr. — Costa Rica, El Salvador, Panama (Canal Zone).
- punctipennis* Duda, 1927:104 (*Paramycodrosophila*; preocc. Wulp, 1886). Type-locality: Costa Rica, San José.
- TENE BROSA Spencer in Patterson, 1943:93. Type-locality: U.S.A., New Mexico. Distr. — U.S.A., Mexico.

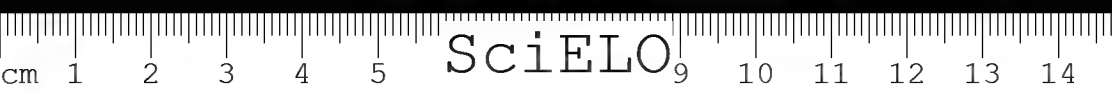
- TRANQUILLA Spencer in Patterson, 1943:200. Type-locality: Mexico, Chi-Distr. — Mexico.
- TIRA Wasserman, 1962c:96. Type-locality: Mexico, Mexico City, 25 mi. E. huahua, Santa Clara Mts. Distr. — Mexico.
- TRAPEZA Heed & Wheeler, 1957:25. Type-locality: Costa Rica, La Lola. Distr. — Mexico, Costa Rica, Honduras, Nicaragua, El Salvador, Panama, Colombia, Venezuela, Trinidad.
- TRIANGULA Wheeler, 1949a:192. Type-locality: Mexico, Michoacán, Morelia. Distr. — Mexico.
- TRIANGULINA Duda, 1927:186. Type-locality: Peru, Paso de Lares. Distr. — Peru.
- TRIFILOIDES Wheeler, 1957:81. Type-locality: Colombia, Bucaramanga, Rionegro. Distr. — Honduras, Colombia.
- TRIFILUM Frota-Pessoa, 1954:292. Type-locality: Brazil, São Paulo, Mogi das Cruzes. Distr. — Brazil.
- TRISTRIATA Heed & Wheeler, 1957:31. Type-locality: Trinidad, Port of Spain. Distr. — West Indies (Puerto Rico, Jamaica), El Salvador, Honduras, Trinidad.
- TUCHAUA Pavan, 1950:26. Type-locality: Brazil, Pará, Belém. Distr. — Mexico (Uruapán), Brazil.
- UNIPUNCTATA Patterson & Mainland in Patterson, 1943:182. Type-locality: Mexico, San Luis Potosí, Tamazunchale. Distr. — Mexico, Costa Rica, Panama, Colombia, Venezuela.
- UNINUBES Patterson & Mainland in Patterson, 1943:201. Type-locality: Mexico, Michoacán, Laguna Pátzcuaro. Distr. — Mexico.
- VIRACOCHI Brncic & Koref Santibañez, 1957:70. Type-locality: Peru, Machu Picchu. Distr. — Colombia, Peru.
- VIRILIS Stutervant, 1916:330. Type-locality: U.S.A., New York. Distr. — U.S.A., Mexico, Colombia, Chile, Brazil, Argentina; Japan, China.
- WHARTONAE Pipkin & Heed, 1964:259. Type-locality: Panama, Cerro Campana. Distr. — Panama.
- WHEELERI Patterson & Alexander, 1952:129. Type-locality: U.S.A., California. Distr. — U.S.A., Mexico.
- WINGEI Cordeiro, 1964:1. Type-locality: Brazil, Rio Grande do Sul, Colônia São Pedro Alcântara. Distr. — Brazil.
- XANTHOPALlescens Pipkin, 1964:230. Type-locality: Panama, Cerro Campana. Distr. — Panama.

Subgenus HIRTODROSOPHILA Duda

- Drosophila*, subg. HIRTODROSOPHILA Duda, 1923:41. Type-species, *carinata* Duda (Frota-Pessoa, 1945:470) = *latifrontata* Frota-Pessoa.
- Drosophila*, subg. *Dasydrosophila* Duda, 1925:152 (unnecessary nom. nov. for *Hirtodrosophila* Duda) (aut.) = *latifrontata* Frota-Pessoa. Ref. — Frota-Pessoa, 1945.
- CAXIENSIS Cordeiro, 1952:304. Type-locality: Brazil, Rio Grande do Sul, Caxias do Sul. Distr. — Brazil.
- CLYPEATA Wheeler, 1968:432. Type-locality: Panama, Canal Zone, Barro Colorado I. Distr. — Panama (Canal Zone).



- CLYPEORA Wheeler, 1968:433. Type-locality: Costa Rica, La Lola. Distr. — Costa Rica.
- FLAVOHALTERATA Duda, 1925:198. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- FUSCOHALTERATA Duda, 1925:197. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- GILVA Burla, 1956:263. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- GLABRIFRONS Duda, 1925:196. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Bolivia, Peru.
- JORDANENSIS Frota-Pessoa, 1945:473. Type-locality: Brazil, São Paulo, Campos do Jordão. Distr. — Brazil.
- KUSCHELI Brncic, 1957b:394. Type-locality: Chile, Juan Fernandez Is., Masatierra, Mirador de Selkirk. Distr. — Juan Fernandez Is.
- LEVIGATA Burla, 1956:261. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- LONGALA Patterson & Wheeler, 1942:71. Type-locality: U.S.A., New Mexico. Distr. — U.S.A., Mexico.
- MAGNARCUS Frota-Pessoa, 1951:407. Type-locality: Brazil, São Paulo, Mogi das Cruzes. Distr. — Brazil.
- MENDELI Mourão, Gallo & Bicudo, 1965:578 (description without heading), figs. 2.1-2.6. Type-locality: Brazil, São Paulo: Mirassol and São José do Rio Preto. Distr. — Brazil.
- MEXICOA Wheeler, 1954:54 (nom. nov. for *mexicana* Wheeler). Type-locality: Mexico, Michoacán, Jacona. Distr. — Mexico, Nicaragua, El Salvador.
- mexicana* Wheeler, 1949a:164 (*Paramycodrosophila*; preocc. Macquart, 1843). Type-locality: Mexico, Michoacán, Jacona.
- MORGANI Mourão, Gallo & Bicudo, 1967:160. Type-locality: Brazil, São Paulo, Mirassol. Distr. — Brazil.
- NARINOSA Frota-Pessoa, 1945:476 (nom. nov. for *nasalis* Duda). Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- nasalis* Duda, 1925:194 (preocc. Grimshaw, 1901). Type-locality: Costa Rica, Suiza de Turrialba.
- NIGROHALTERATA Duda, 1925:195. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — U.S.A., Mexico, Costa Rica.
- OCHRACELLA Hendel, 1936:98. Type-locality: Brazil, Pará, Santarém, Faz. Taperinha. Distr. — Brazil.
- PARALEVIGATA Burla, 1956:261. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- PICTIVENTRIS Duda, 1925:211. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Mexico, Costa Rica, El Salvador, Brazil.
- PLEURALIS Williston, 1896:411. Type-locality: West Indies, St. Vincent. Distr. — West Indies.
- PROGNATHA Sturtevant, 1916:340. Type-locality: Puerto Rico, Adjuntas. Distr. — Puerto Rico, Haiti.
- RAMULOSA Burla, 1956:266. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- SPINICAUDA Malloch, 1926:30. Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica, Panama.



- SUBFLAVOHALTERATA Burla, 1956:264. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- SUBGILVA Burla, 1956:263. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- THORACIS Williston, 1896:411. Type-locality: West Indies, St. Vincent. Distr. — West Indies, ?Brazil.

Subgenus PHLORIDOSA Sturtevant

- Drosophila*, subg. PHLORIDOSA Sturtevant, 1942:28. Type-species, *floricola* Sturtevant (orig. des.).
- ALEI Brncic, 1962:4. Type-locality: "Chile". Distr. — Chile.
- ALFARI Sturtevant, 1921:75. Type-locality: Costa Rica, San José. Distr. — Costa Rica.
- DENIERI Blanchard, 1938:362. Type-locality: "Argentina". Distr. — Brazil, Argentina.
- FLORICOLA Sturtevant, 1942:42. Type-locality: U.S.A., California. Distr. U.S.A., Mexico, Colombia.
- LUTZII Sturtevant, 1916:340. Type-locality: Cuba, Havana. Distr. — U.S.A., Cuba, Puerto Rico, Jamaica, Mexico, Costa Rica.
- TRISTANI Sturtevant, 1921:75. Type-locality: Costa Rica, San José. Distr. — Costa Rica.

Subgenus SCAPTODROSOPHILA Duda

- SCAPTODROSOPHILA Duda, 1923:37 (as genus). Type-species, *scaptomyzoidea* Duda (mon.).
- Drosophila*, subg. *Pholadoris* Sturtevant, 1942:28. Type-species, *victoria* Sturtevant (orig. des.).
- LATFASCLAEFORMIS Duda, 1940:22. Type-locality: Africa, Uganda. Distr. — U.S.A., West Indies, Mexico south to Brazil and Peru; Africa.
- mirim* Dobzhansky & Pavan, 1943:62. Type-locality: Brazil, São Paulo, Bertioga.
- baeomyia* Wheeler, 1949b:145. Type-locality: Mexico, Oaxaca.
- VICTORIA Sturtevant, 1942:33. Type-locality: U.S.A., California. Distr. — U.S.A., ?Mexico.

Subgenus SIPHLODORA Patterson & Mainland

- Drosophila*, subg. SIPHLODORA Patterson & Mainland, 1944:25. Type-species, *sigmoides* Loew (orig. des.).
- FLEXA Loew, 1865:182. Type-locality: "Cuba". Distr. — West Indies (Cuba, Haiti, Puerto Rico), Mexico south to Brazil.
- subsigmoides* Patterson & Mainland, 1944:26. Type-locality: Mexico, Distrito Federal, El Desierto de los Leones.

Subgenus SOPHOPHORA Sturtevant

- Drosophila*, subg. SOPHOPHORA Sturtevant, 1939:139. Type-species, *melanogaster* Meigen (orig. des.).



- ABREGOLINEATA Duda, 1925:214. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica. Ref. — Wheeler, 1963.
- ALAFUMOSA Patterson & Mainland in Patterson, 1943:187. Type-locality: Mexico, Michoacán, Valle de Huajumbaro. Distr. — Mexico.
- ALAGITANS Patterson & Mainland in Patterson, 1943:194. Type-locality: Mexico, Michoacán, Laguna Pátzcuaro. Distr. — Mexico.
- ANANASSAE Doleschall, 1858:128. Type-locality: Molucca Is., Amboina I. Distr. — U.S.A., West Indies, Mexico south to Chile, Bolivia, and Brazil; Circumtropical.
- caribea* Sturtevant, 1916:335. Type-locality: Cuba, Havana.
- AUSTROSALTANS Spassky, 1957:57. Type-locality: Brazil, São Paulo, Pirassununga. Distr. — Brazil.
- AZTECA Sturtevant & Dobzhansky, 1936:577. Type-locality: Mexico, Oaxaca. Distr. — U.S.A., Mexico, Guatemala, Costa Rica.
- BOCAINENSIS Pavan & Cunha, 1947:18. Type-locality: Brazil, São Paulo: Serra da Bocaina, Mogi das Cruzes, Iporanga, and Itanhaem, Paraná: Lambedor. Distr. — Brazil.
- BOCAINOIDES Carson, 1954:150. Type-locality: Brazil, São Paulo, Vila Atlântica. Distr. — Brazil.
- CAPNOPTERA Patterson & Mainland, 1944:47. Type-locality: Mexico, Veracruz, Perote. Distr. — Mexico, Costa Rica, Honduras, Nicaragua, El Salvador. Ref. — Wheeler & Magalhães, 1962.
- CAPRICORNI Dobzhansky & Pavan, 1943:14. Type-locality: Brazil, São Paulo, Vila Atlântica. Distr. — Panama, Colombia, Brazil.
- CHANGUINOLAE Wheeler & Magalhães, 1962:169. Type-locality: Panama, Changuinola. Distr. — Panama, Colombia.
- CORDATA Sturtevant, 1942:34. Type-locality: Guatemala, Quirigua. Distr. — Guatemala.
- DACUNHAI Mourão & Bicudo, 1967:126. Type-locality: Jamaica, Kingston. Distr. — Jamaica.
- DOBZHANSKII Patterson, 1943:82. Type-locality: Mexico, Mexico. Distr. — Mexico.
- ELLIPTICA Sturtevant, 1942:35. Type-locality: Mexico, Pachuca. Distr. — Mexico.
- EMARGINATA Sturtevant, 1942:36. Type-locality: Guatemala, Quirigua. Distr. — Mexico, Guatemala, Costa Rica, El Salvador, Panama, Colombia, Venezuela, Ecuador, Peru.
- EQUINOXIALIS Dobzhansky, 1946:209. Type-locality: Brazil, Amazonas, Tefé. Distr. — Panama, El Salvador, Brazil.
- FROLOVAE Wheeler, 1949a:175. Type-locality: Mexico, Michoacán, Morelia. Distr. — Mexico.
- FUMIPENNIS Duda, 1925:220. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Panama, Brazil.
- INSULARIS Dobzhansky, 1957:41. Type-locality: Lesser Antilles, St. Kitts, St. Lucia. Distr. — Lesser Antilles.
- KERTESZINA Duda, 1925:222. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- var. BOLIVIENSIS Duda, 1927:215. Type-locality: Bolivia, Mapiri. Distr. — Bolivia.

- KIKKAWAI Burla, 1954b:47. Type-locality: Brazil, Rio de Janeiro. Distr. — Colombia, Brazil; Asiatic-Pacific area.
- LUSALTANS Magalhães, 1962:140. Type-locality: Haiti, Petionville. Distr. — Haiti.
- MAGALHAESI Mourão & Bicudo, 1967:127. Type-locality: Brazil, Rio Grande do Sul. Distr. — Brazil.
- MANGABEIRAI Malogolowkin, 1951:432. Type-locality: Brazil, Bahia, Salvador. Distr. — Puerto Rico, Costa Rica, Panama, El Salvador, Brazil. Ref. — Carson, Wheeler & Heed, 1957; Carson, 1962; Malogolowkin, 1958.
- MEGALAGITANS Wheeler & Magalhães, 1962:165. Type-locality: Colombia, Bucaramanga, Cerra de Par Rico. Distr. — Colombia.
- MELANOCASTER Meigen, 1830:85. Type-locality: "Europe". Distr. — Cosmopolitan.
- ampelophila* Loew, 1862:231 (Cent. 2, nº. 99). Type-locality: "Cuba".
- MILLERI Magalhães, 1962:144. Type-locality: Puerto Rico, El Yunque. Distr. — Puerto Rico.
- NEBULOSA Sturtevant, 1916:327 (nom. nov. for *limbata* Williston). Type-locality: West Indies, St. Vincent. Distr. — U.S.A., West Indies, Mexico south to Brazil and Peru.
- limbata* Williston, 1896:414 (preocc. Röser, 1840). Type-locality: West Indies, St. Vincent.
- NEOALAGITANS Wheeler & Magalhães, 1962:162. Type-locality: Haiti, Kenscoff. Distr. — Haiti, Jamaica.
- NEOCORDATA Magalhães, 1956:275. Type-locality: Brazil, Minas Gerais, Montes Claros. Distr. — Brazil.
- NEOELLIPTICA Pavan & Magalhães in Pavan, 1950:13. Type-locality: Brazil, Paraná, Jaguariava and Goiás, Anápolis. Distr. — Brazil.
- NEOSALTANS Pavan & Magalhães in Pavan, 1950:16. Type-locality: Brazil, São Paulo, Mogi das Cruzes. Distr. — Brazil.
- NIGROSALTANS Magalhães, 1962:141. Type-locality: Panama, Chiriqui, Boquete. Distr. — Costa Rica, Panama.
- PARABOCAINENSIS Carson, 1954:149. Type-locality: Brazil, Rio Grande do Sul, Feliz. Distr. — Brazil.
- PARABOCAINOIDES Wheeler & Magalhães, 1962:167. Type-locality: Panama, Chiriqui, Boquete. Distr. — Panama.
- PARASALTANS Magalhães, 1956:276. Type-locality: Brazil, Amazonas, Alto Rio Negro. Distr. — Colombia, Brazil.
- PAULISTORUM Dobzhansky & Pavan, 1949:301. Type-locality: Brazil, São Paulo, Mogi das Cruzes. Distr. — Costa Rica, El Salvador, Panama, Trinidad, Colombia, Brazil.
- PAVLOVSKIANA Kastritsis & Dobzhansky, 1967:245. Type-locality: Guyana, Apoteri. Distr. — Guyana.
- PROSALTANS Duda, 1927:164. Type-locality: Paraguay, Hohenau. Distr. — Mexico, Guatemala, Costa Rica, Panama, Colombia, Trinidad, Brazil, Paraguay.
- PSEUDOBOCAINENSIS Wheeler & Magalhães, 1962:167. Type-locality: Panama, Chiriqui, Boquete. Distr. — Panama.



- PSEUDOOBSCURA Frolova, 1929:212. Type-locality: "North America". Distr. — U.S.A., Mexico, Guatemala, Colombia.
- PSEUDOSALTANS Magalhães, 1956:273. Type-locality: Brazil, São Paulo, São Paulo, Cantareira. Distr. — Brazil.
- PULCHELLA Sturtevant, 1916:327 (nom. nov. for *bellula* Williston). Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent).
- bellula* Williston, 1896:410 (preocc. Bergroth, 1894). Type-locality: West Indies, St. Vincent.
- RECTANGULARIS Sturtevant, 1942:38. Type-locality: Mexico, Orizaba. Distr. — Mexico.
- SALTANS Sturtevant, 1916:328. Type-locality: Cuba, Guantánamo. Distr. — Cuba, Mexico, Guatemala, Costa Rica, El Salvador.
- sellata* Sturtevant, 1942:39. Type-locality: Guatemala, Antigua.
- SEPTENTRIONALIS Magalhães & Buck in Magalhães, 1962:142. Type-locality: Colombia, Sevilla. Distr. — Colombia.
- SIMULANS Sturtevant, 1919:153. Type-locality: U.S.A., New York. Distr. — U.S.A., Mexico south to Chile and Brazil.
- STURTEVANTI Duda, 1927:167. Type-locality: Bolivia, Mapiri. Distr. — West Indies, Mexico south to Brazil.
- earlei* Sturtevant, 1916:329. Type-locality: Cuba, Herradura. Ref. — Magalhães, 1962.
- pilifacies* Malloch, 1926:29. Type-locality: Costa Rica, San Mateo, Higuito.
- biopaca* Sturtevant, 1942:37. Type-locality: Guatemala, Quirigua.
- SUBINFUMATA Duda, 1925:221. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- SUBSALTANS Magalhães, 1956:277. Type-locality: Brazil, Pará, Belém. Distr. — Brazil.
- SUCINEA Patterson & Mainland, 1944:31. Type-locality: Mexico, Puebla, Petalcingo. Distr. — Mexico, El Salvador, Panama, Colombia.
- TOLTECA Patterson & Mainland, 1944:32. Type-locality: Mexico, Veracruz, Córdoba. Distr. — Mexico, Nicaragua, El Salvador, Colombia, Venezuela, Bolivia. [Probably = "*pectinipes*" Duda, 1927:177 (*nomen nudum*) from Paraguay].
- TROPICALIS Burla & Cunha in Burla et. al., 1949:302. Type-locality: Brazil, Goiás, Palma. Distr. — El Salvador, Panama, Brazil, Bolivia.
- ssp. CUBANA Townsend, 1954:339. Type-locality: Cuba, Soledad Central. Distr. — West Indies (Cuba, Puerto Rico, Haiti, Dominica, Jamaica).
- WILLISTONI Sturtevant, 1916:327 (nom. nov. for *pallida* Williston). Type-locality: West Indies, St. Vincent. Distr. — U.S.A., West Indies, Mexico south to Bolivia and Brazil.
- pallida* Williston, 1896:415 (preocc. Zetterstedt, 1847). Type-locality: West Indies, St. Vincent.
- paulista* Dobzhansky & Pavan, 1943:10. Type-locality: Brazil, São Paulo, Campinas.



Subgenus SORDOPHILA Wheeler

Drosophila, subg. SORDOPHILA Wheeler, 1949a:171. Type species, *acanthoptera* Wheeler (orig. des.).

ACANTHOPTERA Wheeler, 1949a:171. Type-locality: Mexico, Oaxaca. Distr. — Mexico.

Unplaced species of *Drosophila*

ALANI Pipkin, 1954:220. Type-locality: Panama, Bocas del Toro, Almirante. Distr. — Panama.

ALEXANDREI Cordeiro, 1951:1. Type-locality: Brazil, Rio Grande do Sul: Emboaba, Itapuã, and Feliz. Distr. — Brazil.

ATRA Walker, 1852:412. Type-locality: "Brazil". Distr. — Brazil.

CANESCENS Duda, 1927:210. Type-locality: Peru, Urubamba R. Distr. — Peru.

COFFEATA Williston, 1896:409. Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent).

CUZCOICA Duda, 1927:120. Type-locality: Peru, Cuzco. Distr. — Peru.

DECEMSERIATA Hendel, 1936:98. Type-locality: Brazil, Pará, Santarém, Faz. Taperinha. Distr. — Brazil.

DILACERATA Becker, 1919:208. Type-locality: Ecuador, El Pelado. Distr. — Ecuador.

DORSIVITTA Walker, 1861:63. Type-locality: "South America." Distr. — South America.

FERRUGINEA Becker, 1919:209. Type-locality: Ecuador, Alausi. Distr. — Ecuador.

FLORAE Sturtevant, 1916:339. Type-locality: Cuba, Havana. Distr. — Cuba, Puerto Rico, Costa Rica, Honduras.

FUSCA Coquillett, 1900:264. Type-locality: Puerto Rico, Utuado. Distr. — Puerto Rico.

GIGANTEA Thomson, 1869:596. Type-locality: Argentina, Buenos Aires. Distr. — Argentina.

GRISEICOLLIS Becker, 1919:209. Type-locality: Ecuador, El Pelado, Mirador. Distr. — Ecuador.

ILLOTA Williston, 1896:415. Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent).

IMPUDICA Duda, 1927:196. Type-species: Peru, Urubamba R., Pichis. Distr. — Peru.

LATEBUCCATA Duda, 1927:203. Type-locality: Peru, Urubamba R. Distr. — Peru.

LATECARINATA Duda, 1927:170. Type-locality: Bolivia, Coroico. Distr. — Bolivia.

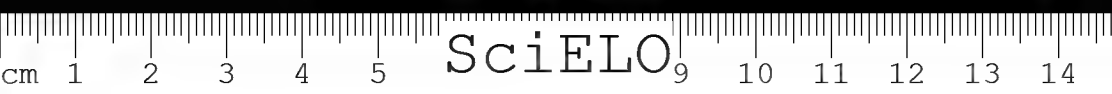
LEONI Pipkin, 1964:225. Type-locality: Panama, Canal Zone, Fort Sherman Reservation. Distr. — Panama (Canal Zone).

MACULIFRONS Duda, 1927:122. Type-locality: Peru, Urubamba R. Distr. — Peru.

MELANOPTERA Duda, 1927:158. Type-locality: Bolivia, Mapiri. Distr. — Bolivia.



- MELLEA Becker, 1919:208. Type-locality: Ecuador, La Rinconada. Distr. — Ecuador.
- MEXICANA Macquart, 1843:416 (1843:259), pl. 35. Type-locality: "Mexico". Distr. — Mexico.
- NIGRIFEMUR Duda, 1927:192. Type-locality: Bolivia, Mapiri. Distr. — Bolivia.
- OBSCURICOLOR Duda, 1927:191. Type-locality: Peru, Urubamba R. and Bolivia, Mapiri. Distr. — Peru, Bolivia.
- ONYCHOPHORA Duda, 1927:208. Type-locality: Bolivia, Yungas and Peru, Callanga. Distr. — Peru, Bolivia.
- ORNATIFRONS Duda, 1927:162. Type-locality: Brazil, Rio de Janeiro, Petrópolis. Distr. — Brazil.
- PAGLIOLI Cordeiro, 1963:401. Type-locality: "Brazil". Distr. — Brazil.
- PERUENSIS Wheeler, 1959a:183 (nom. nov. for *maculipennis* Duda). Type-locality: Peru, Urubamba R. Distr. — Peru.
- maculipennis* Duda, 1927:167 (preocc. Gimmerthal, 1847). Type-locality: Peru, Urubamba R.
- PICTIFRONS Duda, 1927:182. Type-locality: Bolivia, Yungas. Distr. — Bolivia.
- PULCHRA Schiner, 1868:239. Type-locality: "South America". Distr. — South America.
- PULVERA Duda, 1927:181. Type-locality: Bolivia, Yungas and Peru, Paso de Lares, Urubamba R. Distr. — Bolivia, Peru.
- RETICULATA Wheeler, 1957:101. Type-locality: Colombia, Medellín. Distr. — Colombia, Venezuela.
- SCIOPTERA Duda, 1927:179. Type-locality: Bolivia, Yungas. Distr. — Bolivia.
- SEMIALBA Duda, 1925:208. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- SOROR Schiner, 1868:240. Type-locality: "Colombia". Distr. — Colombia.
- SORORIA Williston, 1896:408. Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent).
- SPHAEROCERA Thomson, 1869:596. Type-locality: "Patagonia." Distr. — ?Argentina.
- STRIGIVENTRIS Duda, 1927:184. Type-locality: Bolivia, Sorata. Distr. — Bolivia.
- SUTURALIS Wheeler, 1957:100. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica.
- TARSALIS Walker, 1852:412. Type-locality: "Brazil". Distr. — Brazil.
- TARSATA Schiner, 1868:240. Type-locality: "South America". Distr. — South America.
- TIBIALIS Wheeler, 1957:100. Type-locality: Costa Rica, Turrialba. Distr. — Costa Rica, Panama.
- TORREI Sturtevant, 1921:86. Type-locality: Cuba, Havana. Distr. — Cuba.
- UMBRIPENNIS Hendel, 1936:99. Type-locality: Brazil, Pará, Santarém, Faz. Taperinha. Distr. — Brazil.
- VERTICIS Williston, 1896:413. Type-locality: West Indies, St. Vincent. Distr. — West Indies (St. Vincent).



XIPHIPHORA Pipkin, 1964:240. Type-locality: Panama, Cerro Campana.
Distr. — Panama.

Genus MICRODROSOPHILA Malloch

MICRODROSOPHILA Malloch, 1921:312. Type-species, *Drosophila quadrata* Sturtevant (orig. des.). [Several undescribed neotropical species are known].

Genus MYCODROSOPHILA Oldenberg

MYCODROSOPHILA Oldenberg, 1914:4. Type-species, *Amiota poecilogastra* Loew (mon.).

BRUNNESCENS Wheeler & Takada, 1963:398. Type-locality: Brazil, Pará, Belém. Distr. — Brazil.

DIMIDIATA (Loew), 1862:230 (Cent. 2, n°. 95) (*Drosophila*). Type-locality: U.S.A., Illinois. Distr. — U.S.A., Mexico.

ELEGANS Wheeler & Takada, 1963:398. Type-locality: Panama, Canal Zone, Madden Forest, Las Cruces Trail. Distr. — Costa Rica, Panama (Canal Zone), Colombia.

NEOPROJECTANS Wheeler & Takada, 1963:395. Type-locality: Panama, Canal Zone, Madden Forest, Las Cruces Trail. Distr. — Costa Rica, Honduras, Nicaragua, Panama (Canal Zone), Trinidad, Ecuador.

NIGROPLEURA Wheeler & Takada, 1963:398. Type-locality: Puerto Rico, Río Piedras. Distr. — Puerto Rico, Jamaica, El Salvador.

PROJECTANS (Sturtevant), 1916:342 (*Drosophila*). Type-locality: Dominica, St. Domingo, San Francisco Mts. Distr. — West Indies, Mexico south to Brazil and Bolivia.

PSEUDOPROJECTANS Wheeler & Takada, 1963:395. Type-locality: Nicaragua, El Recreo. Distr. — Nicaragua, Panama.

Genus NEORHINOLEUCOPHENGHA Duda

NEORHINOLEUCOPHENGHA Duda, 1925:164. [Duda, 1924:179, without species]. Type-species, *vitripennis* Duda (present designation).

KERTESZI Duda, 1925:166. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.

QUINQUELINEATA Duda, 1925:167. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.

TRACHYOPA Duda, 1925:165. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.

VITRIPENNIS Duda, 1925:164. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.

Genus NEOTANYGASTRELLA Duda

NEOTANYGASTRELLA Duda, 1925:206. Type-species, *tricoloripes* Duda (mon.).

ANTILLEA Wheeler, 1957:104. Type-locality: West Indies, Jamaica. Distr. — West Indies (Jamaica).

- BOLIVIENSIS Duda, 1927:73. (as *tricoloripes* var.). Type-locality: Bolivia, Mapiri. Distr. — Bolivia.
- CHYMOMYZOIDES Duda, 1927:71. Type-locality: Bolivia, Mapiri and Peru, Urubamba R. Distr. — West Indies (St. Lucia), Costa Rica, Honduras, Nicaragua, El Salvador, Panama, Colombia, Venezuela, Trinidad, Ecuador, Brazil, Peru, Bolivia.
- LEUCOPODA (Wheeler), 1949a:161 (*Chymomyza*). Type-locality: Mexico, Michoacán, Morelia. Distr. — Mexico.
- NIGRICOSTA (Malloch), 1926:30 (*Drosophila*). Type-locality: Costa Rica, San Mateo, Higuito. Distr. — Costa Rica, Nicaragua.
- ORNATA Wheeler, 1957:104. Type-locality: Venezuela, Merida. Distr. — Venezuela.
- TRICOLORIPES Duda, 1925:224. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica, Honduras, El Salvador, Panama, Colombia, Brazil, Peru, Bolivia, West Indies (Haiti, Puerto Rico).
- brasiliensis* Frota-Pessoa, 1946:175 (*Bunostoma*). Type-locality: Brazil, Rio de Janeiro.

Genus PARALIODROSOPHILA Duda

- PARALIODROSOPHILA Duda, 1925:155. Type-species, *bipartita* Duda (mon.).
- ANTENNATA Wheeler, 1957:109. Type-locality: West Indies, Jamaica. Distr. — West Indies (Jamaica).
- BIPARTITA Duda, 1925:184. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Mexico, Costa Rica, El Salvador, Nicaragua, Panama, Ecuador.
- DUDAI Wheeler, 1954:56. Type-locality: Mexico, Veracruz, Huatusco. Distr. — Mexico, El Salvador, Panama.
- MIHALYI Wheeler, 1963:60. Type-locality: Costa Rica, Heredia. Distr. — Costa Rica, Panama.

Genus PARAMYCODROSOPHILA Duda

- PARAMYCODROSOPHILA Duda, 1924:191. Type-species, *Drosophila pictula* Meijere (mon.).
- ANOMALA Wheeler, 1954:60. Type-locality: U.S.A., Texas. Distr. — U.S.A., ?El Salvador.
- CENTRALIS Wheeler, 1954:58. Type-locality: U.S.A., Texas. Distr. — U.S.A., Puerto Rico, Honduras, El Salvador.
- COSTARICANA Duda, 1925:225. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Haiti, Costa Rica, El Salvador, Panama.
- NEPHELEA Wheeler, 1968:433. Type-locality: West Indies, Jamaica. Distr. Jamaica.

Genus SCAPTOMYZA Hardy

- SCAPTOMYZA Hardy, 1849:361. Type-species, *Drosophila graminum* Fallén (Coquillett, 1910:603).



Subgenus DENTISCAPTOMYZA Takada

- Scaptomyza*, subg. DENTISCAPTOMYZA Takada, 1965:43. Type-species, *denticauda* Malloch (mon.).
- DENTICAUDA Malloch, 1934:449. Type-locality: Chile, Llanquihue, Puella. Distr. — Chile, Juan Fernandez Is., Argentina.
- INTERMEDIA (Duda), 1927:151 (*Drosophila*; as *adusta* var.). Type-locality: Chile, Quillota. Distr. — Chile, Argentina.
- dissimilis* Malloch, 1934:452. Type-locality: Chile, Angol.
- MELANCHOLICA (Duda), 1927:153 (*Drosophila*). Type-locality: Chile, Santiago, Quillota; Bolivia, Sorata, and Yungas. Distr. — Chile, Bolivia, Argentina, Juan Fernandez Is.
- MULTISPINOSA Malloch, 1934:450. Type-locality: Argentina, Rio Negro, Bariloche. Distr. — Argentina, Chile.

Subgenus HEMISCAPTOMYZA Hackman

- Scaptomyza*, subg. HEMISCAPTOMYZA Hackman, 1959:19. Type-species, *Geomyza unipunctum* Zetterstedt (orig. des.).
- APICATA (Thomson), 1869:597 (*Drosophila*). Type-locality: U.S.A., California. Distr. — U.S.A., Mexico (Baja California).
- APICIPUNCTA Malloch, 1934:451. Type-locality: Argentina, Rio Negro, Lago Correntoso. Distr. — Argentina.
- HENNIGI Hackman, 1959:60. Type-locality: Costa Rica, San José. Distr. — Mexico, Guatemala, Costa Rica.
- HIRSUTA Wheeler, 1949a:166. Type-locality: Mexico, Puebla, Peña de Gato. Distr. — U.S.A., Mexico.
- MACULIFERA Becker, 1919:210. Type-locality: Ecuador, La Rinconada, Alausi. Distr. — U.S.A., Mexico, Colombia, Ecuador, Peru, Bolivia.
- parapicata* Hackman, 1959:54. Type-locality: Ecuador, Pomasqui.

Subgenus MESOSCAPTOMYZA Hackman

- Scaptomyza*, subg. MESOSCAPTOMYZA Hackman, 1959:17. Type-species, *wheeleri* Hackman (orig. des.).
- BOGOTAE Wheeler & Takada, 1967:64. Type-locality: Colombia, Bogotá. Distr. — Colombia.
- COQUILLETII Wheeler & Takada, 1967:64. Type-locality: Haiti, Kenscoff. Distr. — Haiti, Puerto Rico, Dominica, Mexico.
- DANKOI Wheeler & Takada, 1967:66. Type-locality: Peru, Cuzco. Distr. — Peru.
- FUSCINERVIS Malloch, 1924b:11. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil, Bolivia.
- NIGRICOSTA Wheeler & Takada, 1967:68. Type-locality: Colombia, Bogotá. Distr. — Colombia.
- NIGRIPALPIS Malloch, 1924b:10. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Colombia, Ecuador, Peru, Brazil.
- PARAVITTATA Wheeler, 1952:200. Type-locality: U.S.A., California. Distr. — U.S.A., Haiti, Jamaica, El Salvador.

- PERSONATA Wheeler & Takada, 1967:68. Type-locality: Honduras, Zamorano, Monte Vyuca. Distr. — Honduras, El Salvador.
- PLEUROLINEATA Wheeler & Takada, 1967:70. Type-locality: Colombia, Popayán. Distr. — Colombia, Brazil.
- PSEUDOVITTATA Brncic, 1955:246. Type-locality: Chile, Azapa. Distr. — Chile, Ecuador.
- SALVADORAE Wheeler & Takada, 1967:70. Type locality: El Salvador, Cerro Monte Cristo. Distr. — El Salvador, Panama.
- SAMURAI Wheeler & Takada, 1967:71. Type-locality: Colombia, Bogotá. Distr. — Colombia.
- SETOSA Wheeler & Takada, 1967:72. Type locality: Ecuador, Chimborazo, Chilicay. Distr. — Ecuador.
- STRIATICEPS Wheeler & Takada, 1967:72. Type-locality: Colombia, Bogotá, Tequendama Falls. Distr. — Colombia.
- SUBVITTATA Hackman, 1959:50. Type locality: Costa Rica, San José. Distr. — Costa Rica.
- VITTATA (Coquillett), 1895:318 (*Drosophila*). Type-locality: U.S.A., Florida. Distr. — U.S.A., Cuba, Mexico, El Salvador, Costa Rica, Bolivia, Peru.
- WHEELERI Hackman, 1959:49. Type-locality: U.S.A., Virginia. Distr. — U.S.A., Mexico south to Colombia, Ecuador, ?Peru, ?Bolivia.

Subgenus PARASCAPTOMYZA Duda

- Drosophila*, subg. PARASCAPTOMYZA Duda, 1924:203. Type-species, *Drosophila graminum* Fallén (mon.; misident.) = *pallida* (Zetterstedt).
- ADUSTA (Loew), 1862:231 (Cent. 2, nº. 98) (*Drosophila*). Type-locality: U.S.A., District of Columbia. Distr. — U.S.A., Mexico, Costa Rica, El Salvador, Colombia, Argentina, Bolivia, Chile.
- CLAVIFERA Wheeler & Takada, 1967:74. Type-locality: Peru, Cuzco. Distr. — Peru.
- MACROPTERA Wheeler & Takada, 1967:75. Type-locality: Costa Rica, Cerro de la Muerte. Distr. — Costa Rica.
- PALLIDA (Zetterstedt), 1847:2571 (*Drosophila*). Type-locality: "Europe". Distr. — Cosmopolitan.
- graminum*, authors, not Fallén.
- PICIFEMORATA Hackman, 1959:45. Type-locality: Ecuador, Otavalo. Distr. — Costa Rica, Colombia, Venezuela, Ecuador, Peru.
- SPINIPALPIS Séguy, 1934:11. Type locality: Argentina, La Plata. Distr. — Colombia, Argentina, Bolivia.

Subgenus SCAPTOMYZA Hardy

- ANDINA Wheeler & Takada, 1967:43. Type-locality: Colombia, Bogotá. Distr. — Colombia, Ecuador.
- ATAHUALPA Hackman, 1959:59. Type-locality: Peru, Lima. Distr. — Peru.
- HEEDI Wheeler & Takada, 1967:46. Type locality: El Salvador, Cerro Monte Cristo. Distr. — El Salvador.



- NEOANDINA Wheeler & Takada, 1967:48. Type-locality: Colombia, Bogotá.
Distr. — Colombia.
- NOEI Brncic, 1955:245. Type-locality: Chile, Arica, Yuta. Distr. — Chile.
- PARANDINA Wheeler & Takada, 1967:50. Type-locality: Colombia, Bogotá.
Distr. — Colombia.
- SUBANDINA Wheeler & Takada, 1967:50. Type-locality: Colombia, Bogotá.
Distr. — Colombia.

Genus ZYGODROSOPHILA Hendel

- ZYGODROSOPHILA Hendel, 1917:42. Type-species, *albitarsis* Hendel (orig. des.). Ref. — Duda, 1927:69 (?=*Chymomyza*).
- ALBITARSIS Hendel, 1917:43. Type-locality: "Paraguay". Distr. — Paraguay.

Genus ZYGOTHRICA Wiedemann

- ZYGOTHRICA Wiedemann, 1830a:3. Type-species, *Achias dispar* Wiedemann (mon.).
- Drosophilura* Hendel, 1913b:387. Type-species, *caudata* Hendel (orig. des.).

Subgenus TANYGLOSSA Duda

- Zygothrica*, subg. TANYGLOSSA Duda, 1925:189. Type-species, *tenuirostris* Duda (mon.).
- TENUIROSTRIS Duda, 1925:189. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.

Subgenus ZYGOTHRICA Wiedemann

- ALDRICHI Sturtevant, 1920:157. Type-locality: Panama, Trinidad River. Distr. — Costa Rica, Nicaragua, El Salvador, Panama, Canal Zone, Brazil (Pará).
- var. FLAVOCILIATA Hendel, 1936:95. Type-locality: Brazil, Pará, Santarém, Faz. Taperinha. Distr. — Brazil, Peru.
- APOPOEYI Burla, 1956:240. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- ATRIANGULA Duda, 1927:57. Type-locality: Peru, Pichís. Distr. — Brazil, Peru.
- BILINEATA (Williston), 1896:409 (*Drosophila*). Type-locality: West Indies, St. Vincent. Distr. — West Indies (Haiti, Puerto Rico, Jamaica, Martinique, Guadeloupe, St. Vincent), Costa Rica, Colombia.
- CANDENS Burla, 1956:244. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- CAUDATA (Hendel), 1913b:389 (*Drosophilura*). Type-locality: "Bolivia". Distr. — Bolivia, Brazil.
- CLAVIPOEYI Burla, 1956:238. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- CLYPEATA Burla, 1956:251. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.

- DIMIDIATA Duda, 1927:53. Type-locality: Peru, Pichís. Distr. — Peru.
- DISPAR (Wiedemann), 1830b:556 (*Achias*). Type-locality: "Brazil". Distr. — Brazil. Ref. — Malogolowkin, 1952; Burla, 1954a.
- EXUBERANS Wheeler, 1968:438. Type locality: Ecuador, Pichilingue. Distr. — Ecuador.
- FASCIPENNIS Duda, 1927:54. Type-locality: Peru, Pichís. Distr. — Peru.
- FESTIVA Burla, 1956:256. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- FUSCINA Burla, 1956:257. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- GEMMA Burla, 1956:249. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- GRACILIPOEYI Burla, 1956:240. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- HYPANDRIATA Burla, 1956:246. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- LAEVIFRONS Duda, 1927:56. Type locality: Peru, Pichís, Pachitea R. Distr. — Peru, Brazil.
- LAEVIVENTRIS Duda, 1927:62. Type-locality: Brazil, [Rio de Janeiro, Saquarema?] Pôrto Novo. Distr. — ?Brazil.
- LANCEOLATA Burla, 1956:246. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- LATICEPS Burla, 1954a:247. Type-locality: Brazil, São Paulo, São Paulo, Cantareira. Distr. — Costa Rica, El Salvador, Brazil.
- MESOPOEYI Burla, 1956:241. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- MICROSTOMA Duda, 1925:190. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — West Indies (Puerto Rico, Jamaica), Costa Rica, El Salvador, Nicaragua, Panama, Colombia.
- NEOALDRICHI Burla, 1956:222. Type-locality: Brazil, Rio de Janeiro. Distr. — Costa Rica, Nicaragua, El Salvador, Panama (Canal Zone), Trinidad, Brazil.
- NITIDIFRONS Duda, 1927:55. Type-locality: "Peru". Distr. — Peru.
- ORBITALIS (Sturtevant), 1916:336 (*Drosophila*). Type-locality: Panama, Taboga I. Distr. — Costa Rica, El Salvador, Panama, Canal Zone.
- PALLIDIPOEYI Burla, 1956:237. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- PALPIPOEYI Burla, 1956:243. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- PARALDRICHI Burla, 1956:223. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- PARAPOEYI Burla, 1956:242. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- PARAPTILIALIS Burla, 1956:246. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- PARILIS Burla, 1956:220. Type-locality: Brazil, São Paulo. Distr. — Brazil.



- PARVIPOEYI* Burla, 1956:239. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- FILIPES* Hendel, 1936:93. Type-locality: Brazil, Pará, Santarém, Faz. Ta-perinha. Distr. — Brazil.
- PLEUROSTRIGATA* Burla, 1956:250. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- POEYI* (Sturtevant), 1921:76 (*Drosophila*). Type-locality: Cuba, Havana. Distr. — Cuba, Mexico, Costa Rica.
- PRODIPAR* Duda, 1927:63. Type-locality: Peru, Pinipini. Distr. — Mexico south to Brazil and Peru.
- PTILIALIS* Burla, 1956:245. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- SCUTELLARIS* Wheeler, 1952:214. Type-locality: Mexico, Michoacán, Laguna Pátzcuaro. Distr. — Mexico.
- SECTIPOEYI* Burla, 1956:236. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- SEMISTRIATA* Wheeler, 1952:215. Type-locality: Mexico, Puebla, Peña de Gato. Distr. — Mexico.
- SPICULIROSTRIS* Burla, 1956:255. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- STRIGOCULA* Burla, 1956:250. Type-locality: Brazil, Bahia. Distr. — Brazil.
- SUBCANDENS* Burla, 1956:245. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- VENUSTIPOEYI* Burla, 1956:238. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- VIRGATALBA* Burla, 1956:252. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- VIRGATINIGRA* Burla, 1956:252. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- VITTATIFRONS* (Williston), 1896:408 (*Drosophila*). Type-locality: West Indies, St. Vincent. Distr. — West Indies (Puerto Rico, Haiti, Jamaica, Guadeloupe, St. Kitts, St. Lucia, St. Vincent), Costa Rica south to Colombia, Peru.
- var. *AVITTATA* Duda, 1925:91. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.
- VITICLARA* Burla, 1956:226. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- VITTIMACULOSA* Burla, 1956:227. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- VITTIMARGINATA* Burla, 1956:229. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- VITTIMARMORATA* Burla, 1956:232. Type-locality: Brazil, São Paulo. Distr. — Brazil.
- VITTINOTIALIS* Burla, 1956:230. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- VITTINUBILA* Burla, 1956:225. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.
- VITTIPOECILA* Burla, 1956:231. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.

- VITTIPUNCTATA Burla, 1956:230. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- VITTISECTA Burla, 1956:232. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- VITTVIRGATA Burla, 1956:228. Type-locality: Brazil, Rio de Janeiro, Itatiaia. Distr. — Brazil.
- ZYGOPOEYI Burla, 1956:236. Type-locality: Brazil, Rio de Janeiro. Distr. — Brazil.

Unplaced Drosophilidae

Genus APACROCHAETA Duda

- APACROCHAETA Duda, 1927:106. Type-species, *columbiensis* Duda (mon.).
- COLUMBIENSIS Duda, 1927:106. Type-locality: Colombia, Sierra S. Lorenzo. Distr. — Colombia.

Genus LACCODROSOPHILA Duda

- LACCODROSOPHILA Duda, 1927:33. Type-species, *flavipes* Duda (Wheeler, 1957:111). Ref. — Wheeler, 1968 (key).
- ATRA Duda, 1927:40. Type-locality: Bolivia, Cordillera. Distr. — Colombia, Bolivia.
- FLAVESCENS Wheeler, 1957:112. Type-locality: Mexico, Pedregal. Distr. — Mexico.
- FLAVIPES Duda, 1927:38. Type-locality: Bolivia, Yungas. Distr. — Ecuador, Bolivia.
- HEEDI Wheeler, 1957:113. Type-locality: Colombia, Medellín. Distr. — Colombia.
- TAKADAI Wheeler, 1968:435. Type-locality: Ecuador, Chiriboga. Distr. — Ecuador.

Genus PSEUDOCACOXENUS Duda

- PSEUDOCACOXENUS Duda, 1925:157. Type-species, *lineatifrons* Duda (mon.).
- LINEATIFRONS Duda, 1925:157. Type-locality: Costa Rica, Suiza de Turrialba. Distr. — Costa Rica.

Genus ZAPRIOTHRICA Wheeler

- ZAPRIOTHRICA Wheeler, 1956:113. Type-species, *Sigaloessa dispar* Schiner (orig. des.).
- DISPAR (Schiner), 1868:239 (*Sigaloessa*). Type-locality: "Venezuela". Distr. — Colombia, Ecuador, Venezuela.
- HIRTA Wheeler, 1959:85. Type-locality: Ecuador, San Juan. Distr. — Ecuador.
- NUDISETA Wheeler, 1959:86. Type-locality: Mexico, Jalisco, Nev. Colima. Distr. — Mexico.
- SALEBROSA Wheeler, 1968:437. Type-locality: Colombia, Bogotá, Usme-El Hato road. Distr. — Colombia.

STERNALIS Wheeler, 1959:85. Type-locality: Ecuador, Mochachi. Distr. — Ecuador.

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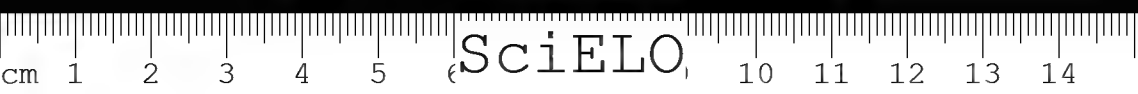
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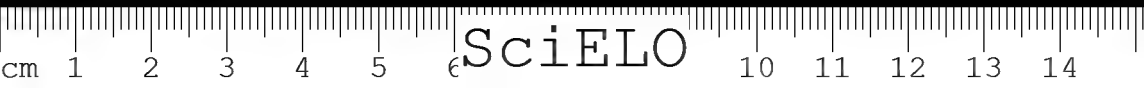
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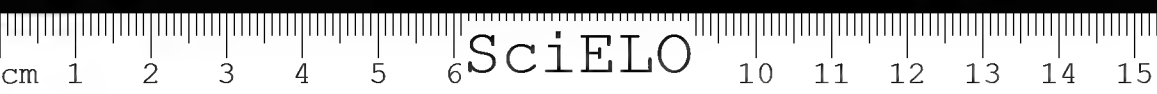
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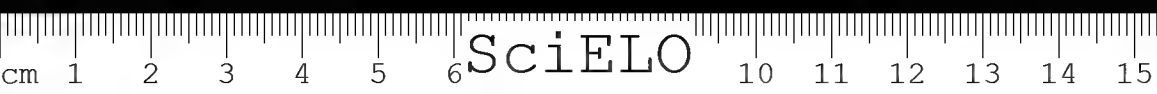
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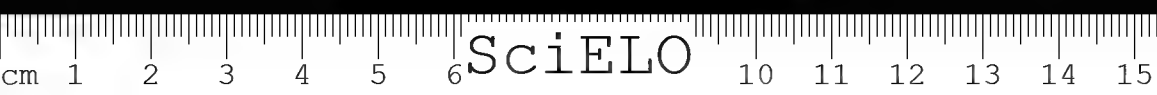
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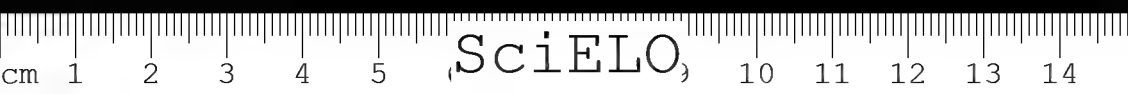
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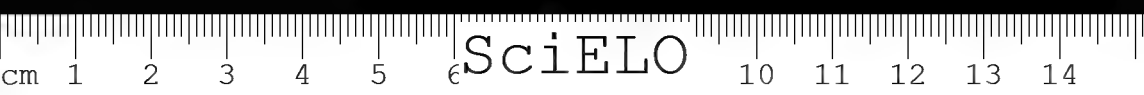


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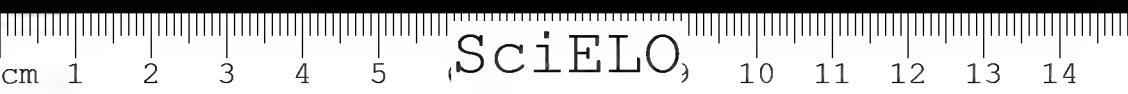


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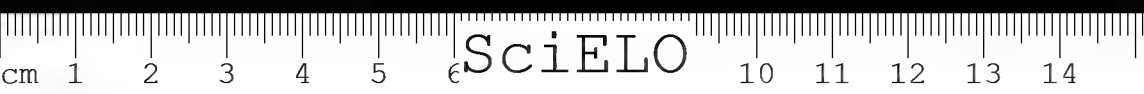
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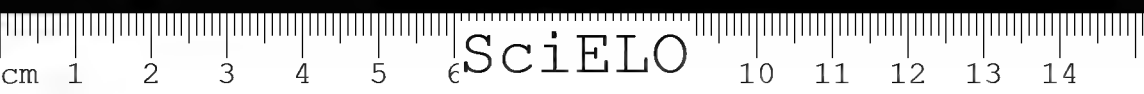
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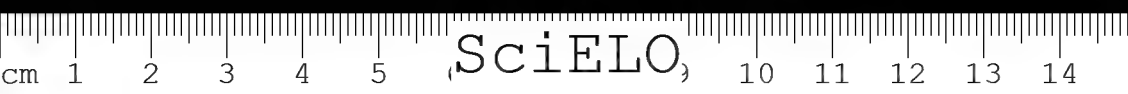
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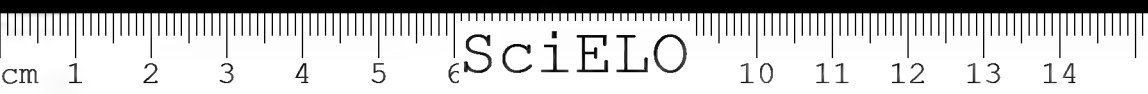


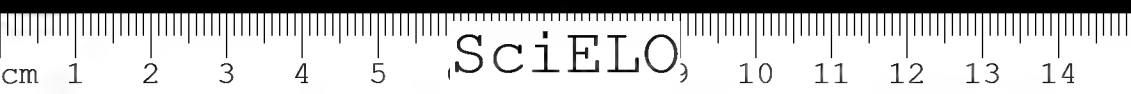
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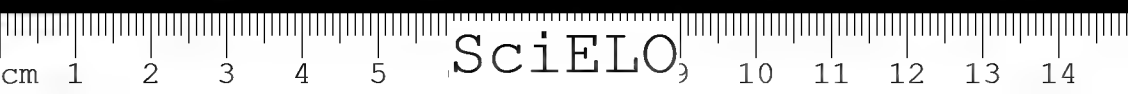
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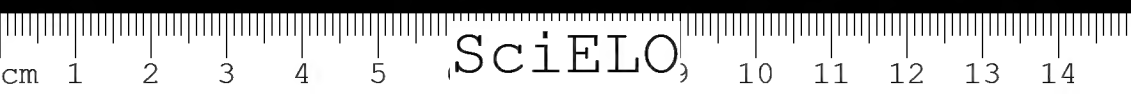




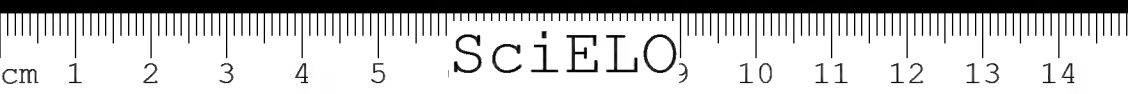


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